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AUTOMATIC COUNTERS 1989

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AUTOMATIC COUNTERS

1989

Prepared by the

State of Montana Department of Highways

Planning and Statistics Bureau

In cooperation with

U.S. DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

BUREAU OF PUBLIC ROADS

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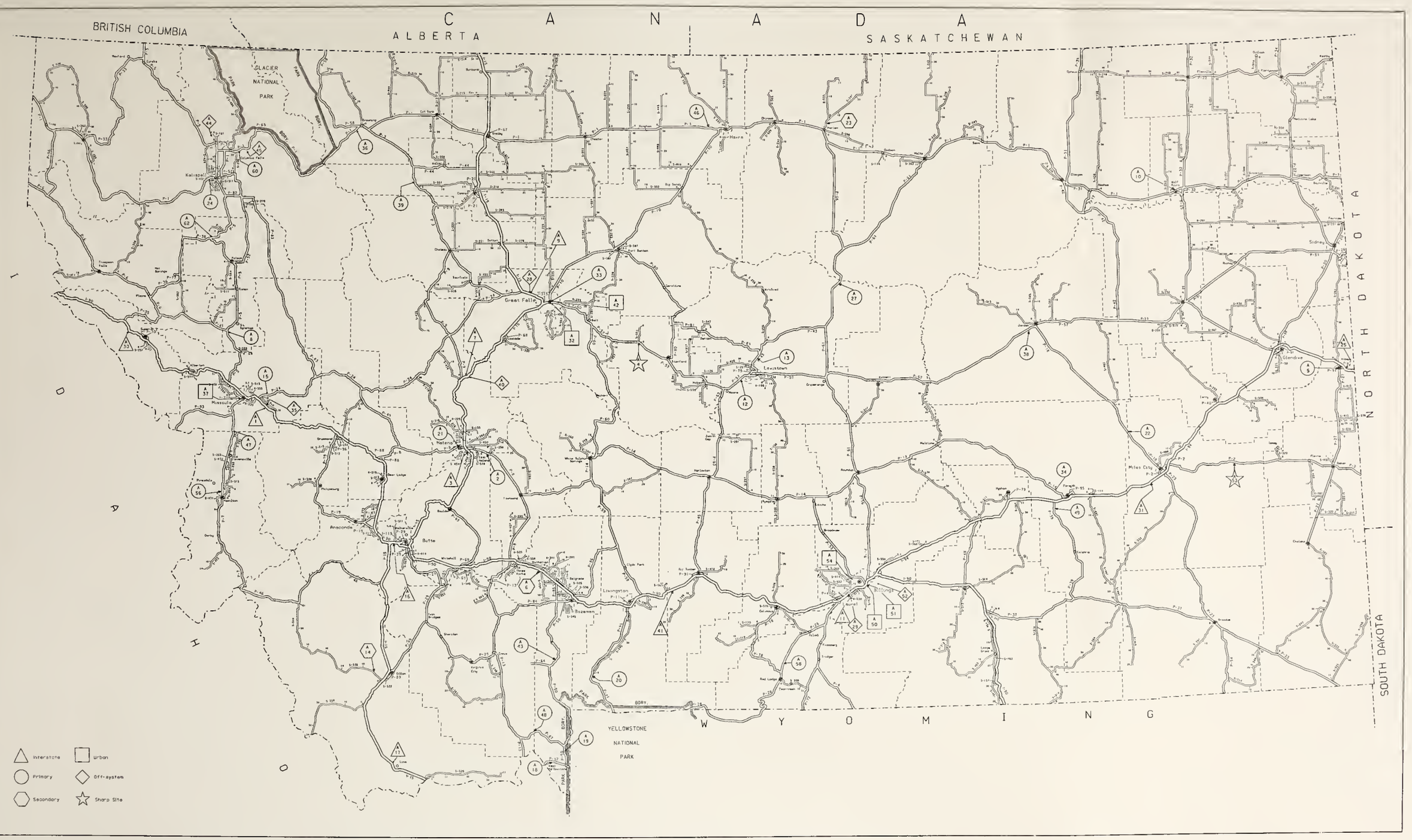
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Interstate
Primary
Secondary
Urban
Off-system
Sharp Site

INTRODUCTION

This report contains a brief, concise summary of traffic patterns at each permanent traffic counter that was in operation during the year 1989. The traffic volumes for each month and day of the week compared to average daily traffic for the year. A total of 57 automatic traffic counters were in operation during 1989.

At each record the highest, the 10th, the 20th, and the 30th highest hours that occurred during each year shown as a computed percentage figure of the average daily traffic. These are compared to the previous five years and historical data recorded to reflect stability and accuracy.

The 57 counters are distributed to the Highways System as follows:

11 on Interstate Principal Arterial Rural	3 on FAU Minor Arterial Urban
18 on Primary Principal Arterial Rural	4 on FAS Major Collector Rural
3 on Primary Principal Arterial Urban	2 on Off System Collector Urban
10 on Primary Minor Arterial Rural	4 on Off System Major Collector Rural
1 on FAU Principal Arterial Urban	1 on Off System Minor Collector Rural

30TH. MAXIMUM HOUR

The American Association of Highway Officials decided it was not practical to design for the average daily traffic or the highest traffic that occurs during the year. If highways are designed for the average daily traffic, there would be times when the movement of vehicles would surge far above the average. If designed for the highest traffic volume, such conditions would occur only once or twice a year. Upon thorough investigation, it was agreed that the 30th. highest hour would be feasible traffic volume for design purposes. This particular hour is known as the Design Hour Volume, or the 30th maximum hour, and was to be used as the criterion for the design of the "National System of Interstate Highways." It is also now used in the design of Primary and Secondary Highways in Montana.

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AUTOMATIC RECORDER DATA BY MONTHS

Station A-1
Location I-90, 10.0 miles E. of Missoula, M.P. 114.5

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 55.0 % Pickups 21.1 % Commercial 18.0 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3861	3916	3626	4009	4105	4533	4154	4007	4013	99.85	63.74
February	3944	3849	3715	3272	3811	4396	3936	3846	3809	100.97	61.18
March	5141	4907	4652	4649	4872	5806	5093	5026	4995	100.62	79.95
April	5908	4763	4799	4957	5232	6184	5820	5419	5187	104.47	86.20
May	6562	5932	5651	5761	6440	7693	6552	6313	6228	101.36	100.42
June	8728	7576	7476	7650	7907	9706	8678	8245	8063	102.26	131.16
July	10087	8598	8280	8317	8798	10124	9897	9157	8823	103.79	145.67
August	9547	8297	8024	8235	8922	9829	9239	8870	8661	102.41	141.10
September	7834	7312	7147	6796	6916	8148	7834	7429	7264	102.27	118.18
October	6834	5790	5634	6098	6401	7739	6664	6416	6276	102.23	102.06
November	6633	4797	5060	5858	5598	6579	6338	5830	5592	104.26	92.74
December	3996	3786	4969	4888	5025	5802	5512	4878	4937	98.80	77.60
Daily Average for Year	79075	69523	69033	70490	74927	86539	79717	6286	6154	102.14	

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PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-1
Functional Class Principal Arterial

Route I-90, East of Missoula
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	1251	290	23.2	216	17.3	196	15.7	195	15.6				
1951	2007	348	17.3					293	14.6				
1961	2238	390	17.4	290	12.9	283	12.6	279	12.5				
1971	3596	540	15.0	487	13.5	470	13.1	460	12.8				
1981	5137	983	19.1	659	12.8	649	12.6	639	12.4				
1982	5091	767	15.1	712	14.0	677	13.3	663	13.0				
1983	5394	786	14.6	709	13.1	691	12.8	685	12.7				
1984	5556	793	14.3	724	13.0	712	12.8	702	12.6				
1985	5482	810	14.8	731	13.3	706	12.9	692	12.6				
1986	5798	860	14.8	770	13.3	748	12.9	737	12.7				
1987	6031	816	13.5	790	13.1	777	12.9	757	12.6				
1988	6098	832	13.6	768	12.6	759	12.4	748	12.3				
1989	6286	941	14.9	757	12.0	726	11.5	708	11.3				

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AUTOMATIC RECORDER DATA BY MONTHS

Station A-2 Year 1989

Location U.S. 12 & 287 - 9.0 miles E. of Helena, M.P. 54.5

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 53.8 % Pickups 31.0 % Commercial 12.2 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2168	2122	2163	2222	2408	2940	2710	2367	2350	100.72	70.85
February	2781	2310	2219	2107	2303	2995	2785	2500	2387	104.73	74.85
March	3194	2522	2502	2586	2742	3487	3317	2910	2790	104.30	87.12
April	3265	2555	2669	2725	2904	3697	3279	3030	2910	104.12	90.71
May	4051	3292	3079	3115	3437	4426	3840	3563	3430	103.88	106.67
June	4474	3822	3618	3810	3965	5017	4496	4193	4087	102.59	125.53
July	4537	4166	4157	4309	4180	4907	4512	4396	4335	100.78	131.61
August	4608	3949	3764	3859	3945	4875	4312	4155	4049	102.62	124.40
September	3727	3820	3334	3320	3395	4380	3949	3734	3685	101.33	111.79
October	3622	3090	2842	3128	3346	4232	3714	3402	3295	103.25	101.85
November	3521	2745	2877	3076	3116	3715	3341	3192	3105	102.80	95.56
December	2214	2290	2730	2585	2544	3216	2825	2641	2699	97.85	79.06
Daily Average for Year	3420	3057	2996	3070	3190	3991	3590	3340	3260	102.45	

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PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-2
Functional Class Principal Arterial

Route U.S. 12, East of East Helena
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	3704							433	11.7				
1961	1820	276	15.2	258	14.2	251	13.8	246	13.5				
1971	2651	463	17.5	414	15.6	399	15.1	385	14.5				
*1981	2803	477	17.0	405	14.4	390	13.9	379	13.5				
1982	2879	455	15.8	429	14.9	405	14.1	393	13.7				
1983	3181	581	18.2	494	15.5	449	14.0	427	13.4				
1984	3087	601	19.5	435	14.1	413	13.4	398	12.9				
1985	2991	544	18.2	452	15.1	416	13.9	408	13.6				
1986	3148	542	17.2	434	13.8	414	13.2	404	12.8				
1987	3317	470	14.2	436	13.1	433	13.1	418	12.6				
1988	3389	767	22.6	493	14.5	475	14.0	451	13.3				
1989	3340	589	17.6	460	13.8	440	13.2	434	13.0				

*New Alignment

RLL:1:si:jm:251a2

AUTOMATIC RECORDER DATA BY MONTHS

Station A-3 Year 1989

Location I-15, 0.5 miles S. of Helena, M.P. 192

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 60.6 % Pickups 27.4 % Commercial 9.1 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	4551	5623	5738	5921	6081	6665	5546	5691	5976	95.23	85.37
February	4316	5808	6079	5253	5411	5916	5137	5417	5693	95.15	81.26
March	5310	5992	5878	6250	6335	6910	6027	6139	6302	97.41	92.09
April	5460	6201	6403	6726	6639	7473	6512	6454	6688	96.50	96.82
May	5712	6220	6704	6956	6919	7902	6887	6744	6899	97.75	101.17
June	6518	7406	7371	7691	7750	8512	7072	7518	7781	96.62	112.78
July	6919	7951	7526	8196	8236	8812	7395	7819	8135	96.12	117.29
August	6802	7640	7612	7912	7944	8815	7759	7787	7963	97.79	116.81
September	6113	6952	7401	7421	7603	8282	7013	7281	7567	96.22	109.22
October	5703	6737	6927	7224	7438	7673	6511	6846	7166	95.53	102.70
November	5099	6314	6460	6915	6327	6934	6055	6322	6593	95.89	94.84
December	4600	5370	6277	6306	6230	7139	5968	5976	6306	94.77	89.65
Daily Average for Year	5592	6518	6698	6898	6909	7536	6490	6666	6922	95.61	

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PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-3
Functional Class Principal Arterial

Route I-15, South of Helena
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
*1988	6869	960	14.0	791	11.5	758	11.0	735	10.7				
1989	6666	834	12.5	780	11.7	763	11.4	759	11.4				

* In operation - 9 months

RLL:1:ai:cm:251a3

AUTOMATIC RECORDER DATA BY MONTHS

Station A-4 Year 1989

Location US 87 - 1.7 miles E. of Geyser, M.P. 23

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 37.8 % Pickups 40.8 % Commercial 19.1 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	852	932	936	1055	1071	1091	982	980	1009	97.13	61.28
February	884	921	945	917	1024	1128	926	963	987	97.57	60.22
March	1154	1271	1206	1225	1336	1559	1158	1282	1326	96.68	80.17
April	1485	1453	1327	1410	1451	1843	1380	1475	1497	98.53	92.24
May	1655	1580	1491	1605	1698	2066	1602	1660	1671	99.34	103.81
June	1963	1808	1785	1864	1932	2329	1731	1930	1960	98.47	120.70
July	3011	2533	2265	2100	2137	2855	2089	2416	2376	101.68	151.09
August	1991	1910	2031	2308	2455	3122	2567	2333	2352	99.19	145.90
September	1695	1840	1640	1619	1690	2150	1714	1775	1805	98.34	111.00
October	1813	1667	1453	1658	1814	2196	1835	1764	1739	101.44	110.31
November	1614	1223	1291	1521	1458	1797	1577	1497	1461	102.46	93.62
December	865	1036	1313	1127	1071	1254	1164	1116	1165	95.79	69.79
Daily Average for Year	1582	1515	1474	1534	1595	1949	1560	1599	1612	99.19	

RLL:1:si:jm:251:h4

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-4
Functional Class Principal Arterial

Route U.S. 87, East of Geyser
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
*1988	1380	230	16.7	216	15.7	177	12.8	169	12.2				
1989	1599	446	27.9	339	21.2	320	20.0	302	18.9				

* In operation - 2 months

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AUTOMATIC RECORDER DATA BY MONTHS

Station A-5
Location Mont. 7 - 1.0 miles S. of Wibaux, M.P. 79.1

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 40.3 % Pickups 44.6 % Commercial 13.7 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	358	382	389	451	458	483	368	409	428	95.56	66.83
February	380	435	491	436	437	491	461	447	458	97.60	73.04
March	529	557	568	560	578	588	543	562	571	98.42	91.83
April	500	547	594	600	576	633	570	572	590	96.95	93.46
May	720	607	678	652	676	739	644	671	667	100.60	109.64
June	707	715	695	678	716	747	765	718	712	100.84	117.32
July	879	730	1047	797	825	979	1047	899	869	103.45	146.90
August	985	714	664	723	740	894	917	796	742	107.28	130.07
September	553	600	610	602	649	685	678	629	632	99.53	102.78
October	655	563	622	600	617	664	647	623	611	101.96	101.80
November	494	528	537	563	559	569	497	537	552	97.28	87.75
December	423	508	483	458	475	531	497	482	493	97.77	78.76
Daily Average for Year	599	573	615	593	609	667	636	612	610	100.33	

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PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-5
Functional Class Minor Arterial

Route Montana 7, South of Wibaux
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	219	50	22.8	37	16.9	34	15.5	33	15.1				
1951	330							49	14.9				
1961	541	102	18.8	74	13.7	68	12.6	65	12.0				
1971	577	258	44.7	173	30.0	145	25.1	112	19.4				
1981	863	255	29.5	181	21.0	145	16.8	125	14.5				
1982		Under Construction											
1983		Under Construction											
1984	670	304	45.4	177	26.4	130	19.4	113	16.9				
1985	639	281	44.0	168	26.3	118	18.5	102	16.0				
1986	589	236	40.1	105	17.8	96	16.3	85	14.4				
1987	628	261	41.6	146	23.2	116	18.5	104	16.6				
1988	624	253	40.5	124	19.9	115	18.4	100	16.0				
1989	612	341	55.7	213	34.8	171	27.9	124	20.3				

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AUTOMATIC RECORDER DATA BY MONTHS

Station A-6 Year 1989

Location FAS 288 - 0.5 miles S. of Manhattan

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 42.4 % Pickups 45.9 % Commercial 10.7 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	309	413	453	458	476	485	426	428	455	94.07	76.56
February	377	449	488	418	423	468	453	439	449	97.77	78.53
March	426	586	560	598	599	660	543	572	603	94.86	102.33
April	483	601	631	660	642	717	589	612	650	94.15	109.48
May	618	669	652	672	649	724	661	664	672	98.81	118.78
June	614	616	612	640	635	714	633	640	646	99.07	114.49
July	490	574	546	595	601	641	581	573	591	96.95	102.50
August	636	604	571	601	583	581	609	597	588	101.53	106.80
September	447	605	615	635	679	713	631	622	652	95.40	112.27
October	415	600	600	615	649	628	606	583	617	94.49	104.29
November	391	491	551	563	533	548	524	516	538	95.91	92.31
December	333	442	494	495	494	545	465	465	496	93.75	83.18
Daily Average for Year	462	554	564	579	580	619	560	559	580	96.37	

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PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-6
Functional Class Major Collector

Route FAS 288, South of Manhattan
Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	255	90	35.3	50	19.6	44	17.3	42	16.5				
1951	348							52	14.9				
1961	328	144	43.9	64	19.5	51	15.5	47	14.3				
1971	389	97	14.9	67	17.2	56	14.4	52	13.4				
1981	496	105	21.2	73	14.7	66	13.3	63	12.7				
1982	505	92	18.2	78	15.4	69	13.7	65	12.9				
1983	509	89	17.5	73	14.3	67	13.2	64	12.6				
1984	564	136	24.1	99	17.6	79	14.0	73	12.9				
1985	534	128	24.0	84	15.7	75	14.0	69	12.9				
1986	543	104	19.2	72	13.3	69	12.7	67	12.3				
1987	559	102	18.2	83	14.8	74	13.2	69	12.3				
1988	560	112	20.0	80	14.3	72	12.9	68	12.1				
1989	559	118	21.1	83	14.8	77	13.8	72	12.9				

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AUTOMATIC RECORDER DATA BY MONTHS

Station A-7 Year 1989

Location I-15 - 2.5 miles N. of Wolf Creek, M.P. 230.5

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 54.9 % Pickups 19.8 % Commercial 18.9 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1946	1768	1523	1884	1948	2262	2334	1932	1856	104.09	70.74
February	1901	1819	1671	1520	1640	2096	1932	1797	1749	102.74	65.80
March	2815	2295	2154	2168	2405	3031	2745	2518	2427	103.75	92.20
April	3140	2217	2246	2392	2504	3142	3165	2718	2500	108.72	99.52
May	3390	2549	2262	2422	2552	3432	3374	2811	2613	107.58	102.93
June	3849	2777	2793	3007	3007	3850	3692	3292	3118	105.58	120.54
July	4127	3321	3293	3428	3423	4055	3978	3675	3495	105.15	134.57
August	4044	3076	3092	3255	3273	4001	3995	3502	3322	105.42	128.23
September	3245	3082	2592	2668	2791	3605	3478	3098	2979	103.99	113.44
October	2849	2375	2318	2582	3032	3548	3029	2789	2732	102.09	102.12
November	3042	2097	2231	2601	2518	3076	2948	2639	2510	105.14	96.63
December	1782	1882	1835	1903	1845	2370	2289	2002	1986	100.81	73.31
Daily Average for Year	3011	2438	2334	2486	2503	3206	3080	2731	2607	104.76	

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PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-7
Functional Class Principal Arterial

Route I-15, North of Wolf Creek
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	534	129	24.2	108	20.2	97	18.2	93	17.4				
1951	886							135	15.2				
1961	1096	176	16.1	157	14.3	148	13.5	143	13.0				
1971	1647	338	20.5	259	15.7	250	15.2	246	14.9				
1981	2169	434	20.0	333	15.4	304	14.0	297	13.7				
1982	2173	433	19.9	351	16.2	321	14.8	315	14.5				
1983	2364	466	19.7	358	15.1	342	14.5	331	14.0				
1984	2331	447	19.2	355	15.2	329	14.1	319	13.7				
1985	2440	380	15.6	356	14.6	345	14.1	336	13.8				
1986	2439	409	16.8	363	14.9	344	14.1	333	13.7				
1987	2475	433	17.5	361	14.6	334	13.5	327	13.2				
1988	2706	461	17.0	396	14.6	376	13.9	369	13.6				
1989	2731	453	16.6	391	14.3	374	13.7	362	13.3				

RLL:1:si:jm:251a7

AUTOMATIC RECORDER DATA BY MONTHS

Station A-8 Year 1989

Location U.S. 93 - 0.5 miles S. of Ravalli, M.P. 26.7

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 54.6 % Pickups 25.8 % Commercial 15.3 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2686	3339	3425	3712	3872	4306	3454	3504	3699	94.73	68.46
February	2941	3387	3371	3189	3246	3770	3243	3307	3392	97.49	64.62
March	3767	4103	4165	3907	4104	4747	4137	4144	4211	98.41	80.97
April	4620	4190	4318	4484	4747	5705	5056	4738	4688	101.07	95.58
May	5294	5152	4840	4912	5259	6343	5638	5311	5258	101.01	103.77
June	6551	6176	5931	6138	6301	7607	6419	6480	6478	100.03	126.61
July	7792	7325	7048	6851	7127	8158	7663	7440	7303	101.88	145.37
August	7222	6998	6675	6697	7043	8329	7405	7158	7104	100.76	139.86
September	5614	5774	5546	5527	5539	6766	6077	5874	5875	99.98	114.77
October	4627	4642	4697	5031	5269	6033	5173	5028	5092	98.74	98.24
November	4173	4104	4270	4744	4431	5217	4579	4508	4556	98.95	80.08
December	2929	3395	4044	4013	4157	4686	4195	3919	4089	95.84	76.57
Daily Average for Year	4851	4482	4860	4934	5091	5972	5253	5118	5145	99.48	

RLL:1:si:jm:251:h8

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-8
Functional Class Principal Arterial

Route U.S. 93, South of Ravalli
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	848	378	44.6	200	23.6	167	19.7	153	18.0				
1951	1357							224	16.5				
1961	1811	527	29.1	305	16.8	281	15.5	271	15.0				
1971	2922	551	18.9	462	15.8	425	14.4	414	14.2				
1981	3932	638	16.2	553	14.1	529	13.5	515	13.1				
1982	3913	774	19.8	592	15.1	564	14.4	540	13.8				
1983	4336	705	16.3	604	13.9	582	13.4	566	13.1				
1984	4442	641	14.4	590	13.3	564	12.7	553	12.5				
1985	4297	662	15.4	601	14.0	578	13.5	565	13.1				
1986	4570	717	15.7	647	14.2	601	13.2	591	12.9				
1987	4907	745	15.2	650	13.2	632	12.9	608	12.4				
1988	5073	734	14.5	712	14.0	673	13.3	646	12.7				
1989	5118	764	14.9	707	13.8	675	13.2	654	12.8				

RLL:1:si:jm:251a8

AUTOMATIC RECORDER DATA BY MONTHS

Station A-9 Year 1989

Location I-15 - 7.0 miles W. of Great Falls, M.P. 287

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 49.5 % Pickups 35.6 % Commercial 11.4 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	4083	4746	4495	5174	5046	5457	4943	4810	4951	97.15	74.07
February	4355	4541	4635	4282	4479	5285	4572	4593	4644	98.90	70.73
March	5084	5698	5561	5252	5766	6628	5652	5684	5794	98.10	87.53
April	5538	6126	6028	6155	6046	7199	6534	6219	6311	98.54	95.77
May	6051	6382	6294	6474	6608	7772	6945	6621	6664	99.35	101.96
June	6969	7194	7087	7397	7562	8697	7379	7511	7633	98.40	115.66
July	7778	8120	7791	8047	8250	9109	8483	8216	8257	99.50	126.52
August	7584	7895	7947	8155	8329	9090	8147	8162	8265	98.75	125.69
September	6627	7417	7136	7119	7235	8566	7613	7434	7546	98.52	114.47
October	6101	6675	6155	6745	7081	8128	7086	6800	6907	98.45	104.71
November	5420	5802	5908	6432	6157	7582	6358	6241	6369	97.99	96.10
December	4339	4888	6044	5833	5520	6728	6082	5641	5846	96.49	86.86
Daily Average for Year	5827	6290	6257	6422	6507	7520	6650	6494	6599	98.41	

RLL:1:si:jm:251:h9

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-9
Functional Class Principal Arterial

Route I-15, West of Gt. Falls
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	1490	277	18.6	224	15.0	207	13.9	195	13.1				
1951	2497							307	12.3				
1961	3613	692	19.2	455	12.6	420	11.6	411	11.4				
1971	4789	675	14.1	590	12.3	538	11.2	520	10.9				
1981	5209	681	13.1	596	11.4	579	11.1	562	10.8				
1982	5195	730	14.1	629	12.1	600	11.6	583	11.2				
1983	5397	711	13.2	646	12.0	610	11.3	597	11.1				
1984	5416	685	12.7	609	11.2	586	10.8	578	10.7				
1985	5312	658	12.4	601	11.3	581	10.9	567	10.7				
*1986	5553			OUT OF SERVICE AUG., SEPT., & OCT.		CONSTRUCTION							
1987	5599	703	12.6	642	11.5	627	11.2	610	10.9				
1988	5978	808	13.5	709	11.9	676	11.3	659	11.0				
1989	6494	899	13.8	747	11.5	727	11.2	711	10.9				

*ADT Estimated

RLL:l:si:jm:251a9

AUTOMATIC RECORDER DATA BY MONTHS

Station A-10 Year 1989

Location U.S. 2 - 2.0 miles E. of Wolf Point, M.P. 592.6

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 51.6 % Pickups 36.6 % Commercial 9.4 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	961	1506	1638	1757	1884	1938	1296	1549	1729	89.59	73.59
February	957	1574	1723	1675	1705	1861	1371	1552	1708	90.87	73.73
March	1269	1906	1975	1985	2196	2332	1826	1951	2091	93.30	92.68
April	1358	2078	2094	2159	2299	2548	2049	2058	2236	92.04	97.77
May	1526	2127	2357	2397	2461	2734	2065	2243	2399	93.50	106.56
June	1833	2553	2494	2611	2789	3011	2264	2534	2711	93.47	120.38
July	2151	2640	2525	2764	2950	3157	2534	2652	2799	94.75	125.99
August	1999	2668	2658	2781	2879	3011	2406	2643	2796	94.28	125.56
September	1494	2204	2389	2413	2573	2827	2184	2312	2498	92.55	109.83
October	1445	2186	2251	2311	2377	2650	2001	2154	2342	91.97	102.33
November	1283	1949	1969	2152	1926	2173	1758	1897	2034	93.26	90.12
December	1159	1569	1829	1801	1846	2144	1728	1720	1852	92.87	81.71
Daily Average for Year	1453	2080	2159	2234	2324	2532	1957	2105	2266	92.89	

RLL:1:si:jm:251:h10

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-10
Functional Class Principal Arterial

Route U.S. 2, East of Wolf Point
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	503	176	35.0	102	20.3	72	14.3	64	12.7				
1951	920							109	11.9				
1961	1347	218	16.2	195	14.5	164	12.2	150	11.1				
1971	1648	305	18.5	211	12.8	198	12.0	191	11.6				
1981	2471	340	13.8	292	11.8	284	11.5	273	11.0				
1982	2257	292	12.9	267	11.8	261	11.6	258	11.4				
1983	2301	298	13.0	274	11.9	268	11.7	260	11.3				
1984	2307	312	13.5	278	12.1	269	11.7	266	11.5				
1985	2207	284	12.9	263	11.9	258	11.7	253	11.5				
1986	2105	298	14.2	276	13.1	266	12.6	260	12.4				
1987	2048	305	14.9	273	13.3	266	12.9	262	12.8				
1988	2108	309	14.7	272	12.9	266	12.6	260	12.3				
1989	2105	293	13.9	273	13.0	268	12.7	259	12.3				

RLL:1:si:jm:251a10

AUTOMATIC RECORDER DATA BY MONTHS

Station A-11 Year 1989

Location I-90 - 6.0 miles W. of Billings, M.P. 441.8

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 54.8 % Pickups 28.6 % Commercial 14.0 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	7823	9865	9942	10813	11055	11700	10196	10103	10605	95.27	73.94
February	9555	10617	10288	10579	10918	12161	11627	10821	10912	99.17	79.19
March	10585	11749	11006	11102	11178	12825	12259	11546	11589	99.63	84.50
April	11450	11967	12156	12356	12603	13911	13128	12495	12599	99.17	91.44
May	12771	13162	12894	13084	13315	15035	13715	13388	13439	99.62	97.98
June	14605	15021	15079	15421	15553	17622	15547	15619	15816	98.75	114.31
July	16584	16948	17632	16967	17119	18706	17951	17391	17449	99.67	127.28
August	16273	16419	16195	16491	16746	18885	17675	16909	16886	100.14	123.75
September	14544	14723	14490	14561	14873	17006	16077	15273	15220	100.35	111.78
October	11962	13230	12824	13857	14366	16230	13794	13647	14004	97.45	99.88
November	11291	11603	11895	12632	12155	14270	13225	12435	12500	99.48	91.01
December	9379	10625	12599	12251	11789	13681	13205	11948	12260	97.46	87.44
Daily Average for Year	12235	12994	13083	13343	13473	15169	14033	13464	13607	98.95	

RLL:1:si:jm:251:h11

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-11
Functional Class Principal Arterial

Route I-90, West of Billings
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	2913	564	19.4	423	14.5	388	13.3	370	12.7				
1951	4659							536	11.5				
1961		UNDER CONSTRUCTION											
1971	7638	927	12.1	835	10.9	799	10.5	781	10.2				
1981	10948	1291	11.8	1185	10.8	1143	10.4	1117	10.2				
1982	11331	1368	12.1	1232	10.9	1201	10.6	1174	10.4				
1983	11648	1455	12.5	1264	10.9	1214	10.4	1199	10.2				
1984	12248	1540	12.6	1328	10.8	1280	10.5	1261	10.3				
1985	12339	1561	12.7	1344	10.9	1315	10.7	1283	10.4				
1986	12678	1514	11.9	1366	10.8	1311	10.3	1286	10.1				
1987	13088	1565	11.9	1396	10.7	1362	10.4	1333	10.2				
1988	12863	1483	11.5	1353	10.5	1306	10.2	1261	9.8				
1989	13464	1695	12.6	1491	11.1	1435	10.7	1386	10.3				

RLL:1:si:jm:251a11

AUTOMATIC RECORDER DATA BY MONTHS

Station A-12 Year 1989

Location U.S. 87 & Mont. 200 - 6.0 miles W. of Lewistown, M.P. 76.2

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 38.0 % Pickups 39.3 % Commercial 19.6 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	984	1183	1212	1375	1445	1393	1197	1243	1310	94.89	71.27
February	1030	1201	1220	1153	1248	1380	1107	1191	1240	96.05	68.29
March	1324	1441	1415	1356	1416	1593	1424	1427	1446	98.69	81.82
April	1527	1691	1624	1623	1626	1886	1570	1643	1690	97.22	94.21
May	1933	1772	1761	1721	1906	2282	1817	1872	1871	100.05	107.34
June	2003	1812	1927	1906	1989	2288	1940	1991	1999	99.60	114.16
July	2186	1998	1951	1968	1986	2348	2202	2095	2048	102.29	120.13
August	2164	2162	2063	2088	2204	2524	2237	2197	2196	100.04	125.97
September	1971	2151	2111	1988	2018	2491	2110	2132	2168	98.34	122.25
October	1895	2003	1849	2016	2059	2484	2148	2050	2068	99.13	117.55
November	1649	1509	1680	1833	1763	2162	1879	1783	1790	99.61	102.24
December	1023	1319	1612	1279	1165	1458	1318	1306	1371	95.26	74.89
Daily Average for Year	1641	1687	1702	1692	1735	2024	1746	1744	1766	98.75	

RLL:1:si:jm:251:h12

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-12
Functional Class Principal Arterial

Route U.S. 87 & Mont. 200, West
Lewistown
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	637	120	18.8	97	15.2	90	14.1	84	13.2				
1951	1132							137	12.1				
1961	1491	194	13.0	172	11.5	167	11.2	163	10.9				
1971	1498	315	21.0	181	12.1	171	11.4	165	11.0				
1981	1698	247	14.5	215	12.7	201	11.8	200	11.7				
1982	1655	245	14.8	214	12.9	204	12.3	199	12.0				
1983	1702	276	16.2	216	12.7	207	12.2	200	11.8				
1984	1725	233	13.5	216	12.5	205	11.9	201	11.7				
1985	1699	336	19.8	227	13.4	216	12.7	211	12.4				
1986	1737	332	19.1	225	13.0	216	12.4	209	12.0				
1987	1749	538	30.8	226	12.9	217	12.4	210	12.0				
1988	1788	276	15.4	227	12.7	215	12.0	209	11.7				
1989	1744	270	15.5	227	13.0	214	12.3	207	11.9				

RLL:1:si:jm:251a12

AUTOMATIC RECORDER DATA BY MONTHS

Station A-13 Year 1989

Location U.S. 191 - 7.0 miles N. of Lewistown, M.P. 9.5

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 34.6 % Pickups 51.5 % Commercial 13.5 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	578	893	901	1053	1054	1057	791	893	983	90.84	70.99
February	678	931	948	888	956	1129	831	909	970	93.71	72.75
March	905	1241	1179	1064	1078	1209	971	1095	1149	95.30	87.04
April	948	1335	1380	1291	1322	1450	1151	1253	1355	92.47	99.60
May	1294	1384	1473	1434	1462	1635	1278	1423	1471	96.74	113.12
June	1344	1545	1570	1597	1678	1732	1515	1578	1632	96.69	125.44
July	1469	1567	1647	1621	1748	1802	1609	1629	1672	97.43	129.49
August	1201	1488	1518	1529	1551	1641	1325	1471	1544	95.27	116.93
September	1145	1324	1418	1363	1385	1615	1361	1381	1430	96.57	109.78
October	1261	1354	1288	1366	1378	1521	1392	1359	1376	98.76	108.03
November	1054	1147	1235	1254	1299	1480	1293	1253	1282	97.74	99.60
December	667	923	1021	826	802	974	793	853	912	93.53	67.81
Daily Average for Year	1045	1261	1298	1274	1309	1437	1193	1258	1315	95.67	

RLL:1:si:jm:251:h13

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-13
Functional Class Minor Arterial

Route U.S. 191, North of Lewstown
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	407	111	27.3	83	20.4	67	16.5	63	15.5				
1951	593							85	14.3				
1961	1239	212	17.1	172	13.9	166	13.4	162	13.1				
1971	1083	161	14.9	135	12.5	131	12.1	127	11.7				
1981	1223	157	12.8	147	12.0	141	11.5	137	11.2				
1982	1141	174	15.3	144	12.6	138	12.1	135	11.8				
1983	1172	176	15.0	148	12.6	140	12.0	135	11.5				
1984	1143	169	14.8	147	12.9	138	12.1	135	11.8				
1985	1107	167	15.1	146	13.2	140	12.6	135	12.2				
1986	1106	156	14.1	135	12.2	132	11.9	129	11.7				
1987	1203	181	15.0	157	13.1	147	12.2	144	12.0				
1988	1248	183	14.7	164	13.1	155	12.4	151	12.1				
1989	1258	206	16.4	160	12.7	153	12.2	152	12.1				

RLL:1:si:jm:251a13

AUTOMATIC RECORDER DATA BY MONTHS

Station A-14 Year 1989

Location FAS 278 - 7.0 miles S.W. of Dillon, M.P. 6.0

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 42.9 % Pickups 45.9 % Commercial 10.7 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	377	288	277	291	336	356	411	332	307	108.14	67.34
February	397	304	299	230	291	323	346	313	289	108.30	63.49
March	404	340	312	309	321	368	412	350	330	106.06	70.99
April	397	371	336	354	372	426	421	384	372	103.23	77.89
May	541	462	430	455	464	487	493	473	458	103.28	95.94
June	795	649	571	555	565	613	619	621	590	105.25	125.96
July	800	626	621	599	640	664	823	688	630	109.21	139.55
August	690	616	566	606	626	647	667	628	610	102.95	127.38
September	686	633	565	531	583	651	644	616	595	103.53	124.95
October	577	539	537	501	535	592	635	559	540	103.52	113.39
November	534	476	499	521	534	620	599	540	530	101.89	121.50
December	387	383	396	412	419	434	440	411	410	100.24	83.37
Daily Average for Year	549	474	451	447	474	515	543	493	472	104.45	

RLL:1:si:jm:251:h14

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-14
Functional Class Major Collector

Route FAS 278, Southwest of Dillon
Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	290	120	41.4	70	24.1	49	16.9	47	16.2				
1951	342							53	15.4				
1961	311	63	20.3	51	16.4	47	15.1	45	14.5				
1971	405	107	26.4	74	18.3	65	16.0	60	14.8				
1981	435	144	33.1	87	20.0	73	16.8	66	15.2				
1982	422	120	28.4	72	17.1	69	16.4	66	15.6				
1893	443	94	21.2	77	17.4	70	15.8	66	14.9				
1984	425	118	27.8	96	22.6	82	19.3	76	17.9				
1985	433	105	24.2	88	20.3	77	17.8	70	16.2				
1986	457	112	24.5	92	20.1	72	15.8	67	14.7				
1987	491	117	23.8	84	17.1	78	15.9	75	15.3				
1988	496	116	23.4	96	19.4	80	16.1	77	15.5				
1989	493	144	29.2	115	23.3	100	20.3	82	16.6				

RLL:1:si:jm:251a14

AUTOMATIC RECORDER DATA BY MONTHS

Station A-15
Location Mont. 200 - 4.0 miles NE of Bonner, M.P. 5.2

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 47.8 % Pickups 27.5 % Commercial 19.6 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1689	2005	1972	1994	2072	2256	1887	1973	2053	96.10	70.16
February	1970	2030	1995	1942	2062	2349	2000	2050	2075	98.80	72.90
March	2040	1930	1905	2003	2112	2449	2052	2082	2094	99.43	74.64
April	2607	2122	2164	2179	2261	2686	2569	2384	2282	104.47	84.78
May	3631	2954	2718	2737	2932	3508	3389	3093	2948	104.92	109.99
June	4344	3341	3221	3290	3425	4191	3737	3660	3522	103.92	130.16
July	5010	3968	3954	3741	3799	4579	4566	4258	4006	106.29	151.42
August	4316	3377	3314	3335	3508	4281	3841	3679	3540	103.93	130.83
September	3544	3396	2927	2943	3043	3677	3636	3332	3220	103.48	118.49
October	3382	2613	2417	2690	2834	3394	3216	2922	2764	105.72	103.91
November	2828	2226	2263	2503	2262	2807	2822	2520	2409	104.61	100.36
December	1503	1546	1895	1837	1817	2104	1826	1792	1852	96.76	63.73
Daily Average for Year	3072	2626	2562	2600	2677	3190	2962	2812	2730	103.00	

RLL:1:si:jm:251:h15

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-15
Functional Class Principal Arterial

Route Mont. 200, Northeast of Bonner
Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	292	160	54.7	119	40.7	111	38.0	102	34.9				
1951	492							128	26.1				
1961	1231	311	25.3	213	17.3	201	16.3	188	17.3				
1971	1811	399	22.0	340	18.8	321	17.7	302	16.7				
1981	2392	505	21.1	401	16.8	376	15.7	363	15.2				
1982	2232	446	20.0	381	17.1	364	16.3	349	15.6				
1983	2364	536	22.7	431	18.2	388	16.4	373	15.8				
1984	2529	539	21.3	411	16.3	386	15.3	374	14.8				
1985	2534	693	27.3	436	17.2	413	16.3	393	15.5				
1986	2734	505	18.5	447	16.4	438	16.0	427	15.6				
1987	2837	590	20.8	488	17.2	445	15.7	434	15.3				
1988	2821	496	17.6	453	16.1	426	15.1	410	14.5				
1989	2812	518	18.4	458	16.3	421	15.0	407	14.5				

RLL:1:si:jm:291a15

AUTOMATIC RECORDER DATA BY MONTHS

Station A-16
Location I-15 & 90 - 3.0 miles W. of Butte, M.P. 123

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 55.6 % Pickups 23.3 % Commercial 17.7 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	6411	7211	7324	8074	8230	8567	7859	7601	7825	97.14	71.22
February	6824	7461	7482	6683	7430	8043	7761	7383	7419	99.51	69.18
March	8617	8825	8721	8829	8794	9907	9401	9029	9036	99.92	84.60
April	9324	9177	9630	9936	9967	11501	10373	9977	10042	99.35	93.49
May	10521	10347	10496	10769	10930	12615	11309	10953	10967	99.87	102.63
June	13224	12656	12754	13307	13608	15076	13309	13481	13558	99.43	126.32
July	14257	13751	13492	14081	14353	15931	15030	14407	14294	100.79	135.00
August	13719	13418	13472	13670	14195	15612	14225	14019	14035	99.88	131.36
September	11561	12076	11980	12025	12078	13738	12421	12323	12444	99.03	115.47
October	10198	10089	10092	10827	11153	12472	10772	10735	10850	98.94	100.59
November	9699	8757	9015	9742	9413	10990	10301	9694	9583	101.16	90.84
December	6894	7149	8764	8789	8603	9083	9083	8467	8695	97.38	79.34
Daily Average for Year	10104	10076	10269	10561	10730	11961	10776	10672	10729	99.47	

RLL:1:si:jm:251:h16

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-16
Functional Class Principal Arterial

Route I-90 & I-15, West of Butte
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	4027							507	12.6				
1961	4495	619	13.8	543	12.1	523	11.6	513	11.4				
1971	7123	884	12.4	845	11.9	828	11.6	817	11.5				
1981	8566	1008	11.8	974	11.4	950	11.1	936	10.9				
1982	8376	1110	13.3	1018	12.2	989	11.8	975	11.6				
1983	8404	1018	12.1	980	11.7	957	11.4	943	11.2				
1984	8815	1050	11.9	1001	11.4	985	11.2	961	10.9				
1985	8754	1061	12.1	997	11.4	981	11.2	968	11.1				
1986	8949	1061	11.9	1017	11.4	988	11.0	972	10.9				
1987	9800	1125	11.5	1076	11.0	1055	10.8	1048	10.7				
1988	10345	1352	13.1	1180	11.4	1143	11.0	1125	10.9				
1989	10672	1329	12.5	1257	11.8	1214	11.4	1192	11.2				

RLL:1:si:jm:251a16

AUTOMATIC RECORDER DATA BY MONTHS

Station A-17
Location I-15 - 3.5 miles N. of Lima, M.P. 19

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 51.5 % Pickups 14.6 % Commercial 21.3 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1181	1146	1183	1230	1199	1040	1373	1191	1160	102.67	76.25
February	1177	1062	1084	937	1005	1111	1074	1064	1040	102.31	68.12
March	1354	1208	1259	1263	1405	1626	1483	1377	1362	101.10	88.16
April	1473	1229	1222	1251	1315	1432	1452	1347	1290	104.42	86.24
May	1258	1261	1096	1105	1255	1586	1316	1257	1247	100.80	80.47
June	1754	1551	1571	1704	1676	1996	1892	1742	1712	101.75	111.52
July	2198	1958	1894	1974	2029	2339	2240	2094	2035	102.90	134.06
August	2540	2148	2019	2019	2237	2568	2493	2270	2184	103.94	145.33
September	1893	1886	1660	1690	1780	2078	1852	1893	1831	100.66	117.99
October	1755	1532	1488	1600	1709	1908	1655	1657	1635	101.35	106.08
November	1784	1331	1336	1548	1400	1552	1575	1502	1437	104.52	96.16
December	1084	911	1327	1420	1513	1631	1501	1347	1373	101.93	86.24
Daily Average for Year	1621	1435	1428	1478	1544	1739	1659	1562	1526	102.36	

RLL:1:si:jm:251:h17

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-17
Functional Class Principal Arterial

Route I-15, North of Lima
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	388							46	11.8				
1961	593	86	14.5	75	12.6	72	12.1	68	11.5				
1971	785	153	19.5	113	14.4	109	13.9	106	13.5				
1981	1251	187	14.9	171	13.4	162	12.9	157	12.5				
1982	1280	209	16.3	178	13.9	167	13.0	163	12.7				
1983	1283	224	17.5	198	15.4	177	13.8	171	13.3				
1984	1296	231	17.8	194	15.0	182	14.0	173	13.4				
1985	1315	239	18.2	191	14.5	182	13.8	175	13.3				
1986	1383	225	16.3	198	14.3	191	13.8	183	13.2				
1987	1442	253	17.5	210	14.6	198	13.7	191	13.2				
1988	1492	310	20.8	241	16.2	218	14.6	210	14.1				
1989	1562	293	18.8	229	14.7	221	14.1	212	13.6				

RLL:1:s1:jm:251a17

AUTOMATIC RECORDER DATA BY MONTHS

Station A-18 Year 1989

Location U.S. 20 - 0.5 miles W. of West Yellowstone, M.P. 4.2

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 47.7 % Pickups 44.9 % Commercial 7.4 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	752	720	640	650	710	718	666	695	687	101.16	33.62
February	1056	843	791	756	815	993	1101	908	840	108.10	43.93
March	1096	848	862	873	960	1144	1205	998	944	105.72	48.28
April	1285	966	997	1060	1033	1148	1212	1110	1041	106.63	53.70
May	2754	1941	1749	1797	1755	2149	2556	2074	1872	110.79	100.34
June	3886	3573	3483	3688	3532	4023	4024	3746	3670	102.07	181.23
July	5081	4851	4592	4691	4484	4881	5359	4872	4707	103.51	235.70
August	4413	3998	4931	4063	3995	4612	4646	4375	4321	101.25	211.66
September	2896	2587	2335	2377	2503	2825	3132	2686	2540	105.75	129.95
October	1826	1406	1342	1481	1605	1797	1782	1598	1512	105.69	77.31
November	999	787	857	954	861	974	1022	921	888	103.72	44.56
December	732	600	841	845	846	961	950	830	825	100.61	40.15
Daily Average for Year	2231	1927	1952	1936	1925	2185	2305	2067	2237	92.40	

RLL:1:si:jm:251:h18

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-18
Functional Class Principal Arterial

Route U.S. 20 & 191, West of West Yellowstone
Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	529							131	24.8				
1961				UNDER CONSTRUCTION									
1971	1262	384	30.4	328	26.0	312	24.7	286	22.7				
1981	1618	421	26.0	360	22.2	345	21.3	336	20.8				
1982	1585	402	25.4	370	23.3	360	22.7	348	22.0				
1983	1653	522	31.6	386	23.4	363	22.0	355	21.5				
1984	1674	412	24.6	383	22.9	368	22.0	360	21.5				
1985	1717	440	25.6	395	23.0	376	21.9	363	21.1				
1986	1820	445	24.5	401	22.0	388	21.3	377	20.7				
1987	1937	435	22.6	403	20.8	394	20.3	376	19.4				
1988	2081	707	34.0	624	30.0	558	26.8	516	24.8				
1989	2067	703	34.0	620	29.9	431	20.9	414	20.0				

RLL:lsi:jm:251a18

AUTOMATIC RECORDER DATA BY MONTHS

Station A-19 Year 1989

Location U.S. 191 & 287 - 7.7 miles N. of West Yellowstone, M.P. 7.8

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 38.6 % Pickups 44.5 % Commercial 16.5 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	848	811	779	842	858	901	995	857	834	102.76	45.66
February	1026	936	858	804	797	971	1092	926	873	106.07	49.33
March	1241	984	1044	1103	1038	1213	1228	1121	1082	103.60	59.72
April	1181	944	981	1031	986	1109	1137	1060	1010	104.95	56.47
May	2112	1692	1564	1673	1639	1891	2047	1787	1685	106.05	95.21
June	3031	2935	2881	3054	3013	3135	2911	3000	3010	99.67	159.83
July	3855	3933	4029	3944	3955	4070	3862	3943	3983	98.99	210.07
August	3630	3577	3598	3695	3632	3806	3656	3655	3659	99.89	194.73
September	2610	2508	2310	2331	2329	2607	2699	2496	2426	102.89	132.98
October	1590	1383	1347	1491	1574	1724	1610	1522	1491	102.08	81.09
November	1143	998	1069	1197	1104	1217	1198	1133	1120	101.16	60.36
December	885	813	1006	1060	1085	1179	1140	1028	1036	99.23	54.77
Daily Average for Year	1929	1793	1789	1852	1834	1985	1965	1877	1851	101.40	

RLL:1:si:jm:251:h19

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-19
Functional Class Principal Arterial

Route U.S. 191, North of West Yellowstone
Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	468							120	25.6				
1961	802	285	35.5	220	27.4	212	26.4	204	25.4				
1971	1142	301	26.4	258	22.6	244	21.4	227	19.9				
1981	1481	383	25.9	303	20.5	288	19.4	284	19.2				
1982	1536	421	27.4	339	22.1	309	20.1	299	19.5				
1983	1601	387	24.2	316	19.7	308	19.2	298	18.6				
1984	1629	377	23.1	336	20.6	316	19.4	301	18.5				
1985	1601	337	21.0	311	19.4	298	18.6	290	18.1				
1986	1698	355	20.9	322	19.0	311	18.3	305	18.0				
1987	1853	338	18.2	313	16.9	305	16.4	300	16.2				
1988	1876	373	19.9	340	18.1	332	17.7	327	17.4				
1989	1877	395	21.0	348	18.5	336	17.9	329	17.5				

RLL:1:si:jm:251a19

AUTOMATIC RECORDER DATA BY MONTHS

Station A-20 Year 1989

Location U.S. 89 - 17.0 miles N. of Gardiner, M.P. 18

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 44.1 % Pickups 39.8 % Commercial 8.0 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	915	767	688	679	847	957	974	828	782	105.88	52.98
February	986	899	824	724	760	928	1001	874	827	105.68	55.92
March	1248	1028	905	888	890	1069	1154	1018	955	106.60	65.13
April	1181	1001	917	1000	1010	1403	1255	1117	1066	104.78	71.46
May	1803	1487	1336	1411	1445	1689	1883	1563	1466	106.62	100.00
June	2263	2163	2158	2166	2167	2456	2210	2232	2230	100.09	142.80
July	3030	2836	2957	2896	2759	2954	3095	2938	2878	102.08	187.97
August	2602	2416	2496	2492	2460	2905	2610	2560	2545	100.59	163.79
September	2212	1997	1922	2034	1811	2245	2254	2080	2013	103.33	133.08
October	1670	1397	1414	1522	1503	1779	1628	1553	1512	102.71	99.36
November	1204	937	921	999	1060	1294	1424	1114	1041	107.01	71.27
December	829	843	745	800	792	1013	1067	879	847	103.78	56.24
Daily Average for Year	1662	1481	1440	1468	1459	1724	1713	1563	1514	103.24	

RLL:1:si:jm:251:h20

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-20
Functional Class Minor Arterial

Route U.S. 89, North of Gardiner
Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	386							91	23.6				
1961					UNDER CONSTRUCTION								
1971	655	167	25.5	144	22.0	134	20.5	131	20.0				
1981	932	198	21.2	178	19.1	173	18.6	169	18.1				
1982	933	207	22.2	180	19.3	173	18.5	169	18.1				
1983	995	231	23.2	191	19.2	187	18.8	185	18.6				
1984	1012	225	22.2	199	19.7	188	18.6	182	18.0				
1985	1002	200	20.0	181	18.1	175	17.5	172	17.2				
1986	1099	253	23.0	206	18.7	198	18.0	193	17.6				
1987	1201	246	20.5	220	18.3	211	17.6	205	17.1				
1988	1302	296	22.7	235	18.0	224	17.2	216	16.6				
1989	1563	375	24.0	292	18.7	271	17.3	257	16.4				

RLL:1:ei:jm:251a20

AUTOMATIC RECORDER DATA BY MONTHS

Station A-21 Year 1989

Location Mont. Ave. between Billings & Missoula Aves. - Helena

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	12379	18006	19691	20122	20848	22100	18884	18651	20035	93.09	90.75
February	13636	19282	19931	19440	19792	22192	18210	18926	20127	94.03	92.09
March	14083	21225	21059	21035	21509	23902	20082	20581	21798	94.42	100.14
April	14981	21461	21667	21853	22081	24522	20949	20866	22317	93.50	101.53
May	14980	20145	21977	22393	22532	25642	21232	21294	22403	95.05	103.61
June	15759	23361	23354	24362	24118	25998	20726	22694	24313	93.34	110.42
July	15506	22758	21542	24085	24792	25869	19817	21792	23759	91.72	106.03
August	17307	22211	24186	24247	24288	26207	19571	22735	24229	93.83	110.62
September	15699	20755	22966	23274	23542	25790	20664	21907	23386	93.68	106.59
October	15789	20713	21539	22049	22394	24169	21517	20991	22077	95.08	102.14
November	13008	19389	19368	20702	18155	21484	17932	18634	19784	94.19	91.67
December	13371	15588	18719	18428	18540	20582	17892	17559	18476	95.04	85.44
Daily Average for Year	14708	20408	21333	21833	21885	24038	19790	20552	21892	93.88	

RLL:1:si:jm:251:h21

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-21
Functional Class Principal Arterial

Route U.S. 12, Mont. Ave. Helena
Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1957	6730							700	10.4				
1961	7971	881	11.1	846	10.6	832	10.4	832	10.4				
1971	13549	1656	12.2	1538	11.4	1507	11.1	1507	10.7				
1981	18124	2208	12.2	1979	10.9	1916	10.6	1891	10.4				
1982	18725	2192	11.7	2029	10.8	1985	10.6	1971	10.5				
1983	19459	2178	11.2	2042	10.5	2002	10.3	1977	10.2				
1984	19453	2208	11.4	2078	10.7	2047	10.5	2030	10.4				
1985	20701	2366	11.4	2252	10.9	2207	10.7	2177	10.5				
1986	20184	2484	12.3	2180	10.8	2123	10.5	2103	10.4				
1987	20472	2349	11.5	2176	10.6	2124	10.4	2098	10.2				
1988	19881	2347	11.8	2155	10.8	2104	10.6	2084	10.5				
1989	20552	2332	11.3	2214	10.8	2174	10.6	2165	10.5				

RLL:1:si:jm:251a21

AUTOMATIC RECORDER DATA BY MONTHS

Station A-22 Year 1989

Location MT 59 - 20.0 miles N. of Miles City M.P. 18.3

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January								[1] 160			56.94
February			New Installation					[1] 165			58.72
March								[1] 200			71.17
April	210	259	282	258	220	257	227	243	255	95.29	86.48
May	247	269	289	259	306	373	292	289	296	97.64	102.85
June	257	286	308	313	315	360	275	304	318	95.60	108.19
July	254	355	296	349	426	445	303	343	373	91.96	122.06
August	320	427	407	395	422	516	464	420	430	97.67	149.47
September	262	349	311	311	317	395	303	323	339	95.28	114.95
October	349	378	389	356	358	428	397	379	382	99.21	134.87
November	295	339	332	315	283	368	344	323	325	99.38	114.95
December	171	211	258	247	236	245	219	225	239	94.14	80.07
Daily Average for Year								[1] 281			

[1] Estimated

RLL:1:si:jm:251:h22

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-22
Functional Class Minor Arterial

Route MT 59, N. of Miles City
Traffic Type Primary Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1989	281	76	27.0	58	20.6	54	19.2	51	18.1				

RLL:1:si:jm:251a22

AUTOMATIC RECORDER DATA BY MONTHS

Station A-23
Location FAS 241 - 2.5 miles N. of Harlem

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 27.7 % Pickups 44.9 % Commercial 25.9 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	170	261	279	296	289	277	223	254	279	91.04	75.15
February	184	321	335	282	269	286	259	276	299	92.31	81.66
March	224	341	352	350	359	403	348	342	362	94.48	101.18
April	251	340	375	357	365	407	348	346	369	93.77	102.37
May	286	326	370	358	352	405	335	348	361	96.40	102.96
June	274	388	383	429	410	414	340	379	406	93.34	112.13
July	309	377	364	363	398	385	344	361	377	95.76	106.80
August	330	411	388	396	386	401	374	384	395	97.22	113.61
September	280	330	374	398	393	423	422	377	385	97.92	111.54
October	325	411	349	377	368	424	410	379	385	98.44	112.13
November	272	327	337	324	333	389	330	330	341	96.77	97.63
December	180	281	291	330	275	329	267	277	302	91.72	81.95
Daily Average for Year	257	343	350	355	350	379	333	338	355	95.21	

RLL:1:si:jm:251:h23

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-23
Functional Class Major Collector

Route FAS 241, North of Harlem
Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1957	214							32	14.8				
1961	205	40	19.5	33	16.1	31	15.1	30	14.6				
1971	313	55	17.6	49	15.7	45	14.4	43	13.7				
1981	340	64	18.8	48	14.1	45	13.2	45	13.2				
1982	320	57	17.8	46	14.4	44	13.8	43	13.4				
1983	358	125	34.9	90	25.1	76	21.2	57	15.9				
1984	319	53	16.6	48	15.1	45	14.1	44	13.8				
1985	295	62	21.0	43	14.6	42	14.2	40	13.6				
1986	290	52	17.9	46	15.9	43	14.8	42	14.5				
1987	318	56	17.6	46	14.5	43	13.5	42	13.2				
1988	339	53	15.6	48	14.2	46	13.6	45	13.3				
1989	338	65	19.2	49	14.5	47	13.9	45	13.3				

RLL:1:si:jm:251a23

AUTOMATIC RECORDER DATA BY MONTHS

Station A-24 Year 1989

Location U.S. 2 - 1.3 miles W. of Kalispell, M.P. 118.9

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 49.9 % Pickups 33.8 % Commercial 12.5 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3250	4566	4591	5016	4974	5235	4264	4516	4849	93.13	83.17
February	3516	4743	4885	4384	4469	4902	4236	4448	4677	95.10	81.92
March	3521	4654	4823	4733	4789	5115	4482	4616	4830	95.57	85.01
April	4125	4987	4993	5192	5166	5623	5112	5001	5192	96.32	92.10
May	4408	5210	5458	5617	5515	6095	5489	5402	5559	97.18	99.48
June	5131	6368	6368	6416	6352	6914	5911	6237	6497	96.00	114.86
July	5491	6617	6576	6814	6882	7226	6186	6499	6813	95.39	119.67
August	5520	6619	6653	6655	6643	7153	6268	6516	6732	96.79	120.00
September	4831	5995	6256	6249	6288	6862	5826	6064	6355	95.42	111.68
October	4694	5782	5947	5993	5890	6368	5530	5717	5984	95.54	105.29
November	4334	5273	5574	5781	5273	5929	5339	5369	5562	96.53	98.88
December	3546	4371	5069	5126	5133	5589	4682	4770	5083	93.84	87.85
Daily Average for Year	4364	5432	5599	5665	5615	6085	5277	5430	5678	95.63	

RLL:1:si:jm:251:h24

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-24
Functional Class Principal Arterial

Route U.S. 2, West of Kalispell
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1957	1358							171	12.6				
1961	1454	219	15.1	190	13.1	184	12.7	180	12.4				
1971	2442	442	18.1	366	15.0	352	14.4	339	13.9				
1981	3843	494	12.9	462	12.0	451	11.7	446	11.6				
1982	3972	575	14.5	488	12.3	475	12.0	466	11.7				
1983	4502	569	12.6	537	11.9	523	11.6	516	11.5				
1984	4785	574	12.0	543	11.4	533	11.1	525	11.0				
1985	4897	576	11.8	544	11.3	538	11.0	527	10.8				
1986	5040	594	11.8	573	11.4	556	11.0	549	10.9				
1987	5283	639	12.1	601	11.4	590	11.2	581	11.0				
1988	5359	633	11.8	604	11.3	577	10.8	571	10.7				
1989	5430	656	12.1	600	11.0	586	10.8	580	10.7				

RLL:1:si:jm:251a24

AUTOMATIC RECORDER DATA BY MONTHS

Station A-25 Year 1989

Location I-94 - 6.8 miles E. of Wibaux, M.P. 242.8

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 45.7 % Pickups 27.7 % Commercial 21.7 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1382	1285	1099	1295	1312	1371	1330	1292	1265	102.13	61.82
February	1361	1214	1186	1187	1220	1370	1410	1278	1235	103.48	61.15
March	1830	1561	1423	1594	1706	1901	1894	1704	1649	103.34	81.53
April	1855	1490	1590	1713	1714	2002	1956	1770	1702	104.00	84.69
May	2325	1975	1901	2046	2074	2334	2288	2119	2054	103.16	101.39
June	3061	2703	2662	2862	2944	3240	3065	2944	2901	101.48	140.86
July	3565	3124	2914	3192	3154	3342	3675	3298	3144	104.90	157.80
August	3386	2726	2611	2758	2866	3180	3345	2959	2817	105.04	141.58
September	2642	2320	2099	2190	2324	2615	2653	2421	2324	104.17	115.84
October	2222	1708	1796	2013	2069	2354	2255	2045	1966	104.02	97.85
November	1951	1415	1482	1737	1593	1844	1928	1704	1619	105.25	81.53
December	1484	1160	1441	1477	1500	1738	1864	1540	1476	104.34	73.68
Daily Average for Year	2255	1890	1850	2005	2040	2274	2305	2090	2013	103.83	

RLL:1:si:jm:251:h25

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-25
Functional Class Principal Arterial

Route I-94, East of Wibaux
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1958	1053							130	12.3				
1961	1031	233	22.6	173	16.8	148	14.4	141	13.7				
1971	1622	257	15.8	234	14.4	223	13.7	218	13.4				
1981	2521	414	16.4	326	12.9	296	11.7	282	11.2				
1982	2236	349	15.6	275	12.3	265	11.9	259	11.6				
1983	2126	600	28.2	305	14.4	283	13.3	267	12.6				
1984	2113	333	15.8	275	13.0	263	12.5	258	12.2				
1985	1996	317	15.9	260	13.0	250	12.5	241	12.1				
1986	1925	279	14.5	254	13.2	244	12.7	240	12.5				
1987	1973	289	14.6	254	12.9	248	12.6	242	12.3				
1988	2032	294	14.5	268	13.2	255	12.5	249	12.3				
1989	2090	342	16.4	316	15.1	296	14.2	285	13.6				

RLL:l:si:jm:251a25

AUTOMATIC RECORDER DATA BY MONTHS

Station A-27 Year 1989

Location U.S. 191 - 1.5 miles S. of Fred Robinson Bridge, M.P. 87

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 37.8 % Pickups 41.1 % Commercial 17.9 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	244	283	222	248	268	331	226	259	269	96.28	56.06
February	282	279	235	222	238	349	239	263	265	99.25	56.93
March	413	405	322	320	355	454	303	368	372	98.92	79.65
April	470	390	411	415	427	538	381	432	436	99.08	93.51
May	607	518	435	456	515	703	517	529	518	102.12	114.50
June	747	592	510	508	607	736	548	611	598	102.17	132.25
July	710	579	574	588	617	744	604	631	618	102.10	136.58
August	634	542	549	530	588	706	539	581	579	100.35	125.76
September	584	595	458	471	526	719	551	563	562	100.18	121.86
October	628	527	448	477	533	690	533	547	531	103.01	118.40
November	564	396	401	458	446	552	460	467	451	103.55	101.08
December	252	242	347	282	288	337	300	293	301	97.34	63.42
Daily Average for Year	511	446	409	415	451	572	433	462	466	99.14	

RLL:1:si:jm:251:h26

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-27
Functional Class Minor Arterial

Route U.S. 191 1.5 Mi. S. of Fred Robinson Bridge
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1961	202	126	62.4	71	35.1	50	24.8	44	21.8				
1971	314	98	31.2	64	20.4	56	17.8	53	16.9				
1981	413	94	22.8	75	18.2	69	16.7	66	16.0				
1982	383	103	26.9	76	19.8	69	18.0	65	17.0				
1983	422	113	26.8	92	21.8	77	18.3	71	16.8				
1984	426	109	25.6	81	19.0	76	17.8	71	16.7				
1985	411	99	24.1	79	19.2	71	17.3	69	16.8				
1986	418	116	27.8	82	19.6	75	17.9	72	17.2				
1987	464	111	23.9	92	19.8	83	17.9	77	16.6				
1988	471	106	22.5	92	19.5	83	17.6	76	16.1				
1989	462	123	26.6	89	19.3	84	18.2	79	17.1				

RLL:1:si:jm:251a26

AUTOMATIC RECORDER DATA BY MONTHS

Station A-28 Year 1989

Location Frontage Road - 7.0 W. of Great Falls

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 46.6 % Pickups 45.1 % Commercial 7.9 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1906	2151	2207	2458	2373	2533	2363	2265	2329	97.25	88.55
February	1803	2014	2184	2187	2045	2237	2152	2089	2133	97.94	81.67
March	2001	2238	2355	2432	2301	2472	2280	2307	2365	97.55	90.19
April	2206	2599	2661	2744	2578	2988	2712	2629	2714	96.87	102.78
May	2357	2617	2737	2883	2730	3099	2737	2738	2805	97.61	107.04
June	2359	2692	2751	2898	2828	3082	2745	2778	2860	97.13	108.60
July	2310	2747	2729	2859	2755	2995	2678	2710	2813	96.34	105.94
August	2313	2784	2840	2847	2759	2951	2647	2742	2833	96.79	107.19
September	2332	2614	2823	2926	2776	3142	2728	2775	2870	96.69	108.48
October	2290	2672	2721	2941	2819	3089	2881	2753	2835	97.11	107.62
November	2182	2385	2585	2773	2506	2626	2665	2539	2581	98.37	99.26
December	2036	2152	2406	2452	2303	2664	2557	2372	2408	98.50	92.73
Daily Average for Year	2175	2472	2583	2700	2564	2823	2722	2558	2629	97.30	

RLL:1:si:jm:251:h27

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-28
Functional Class Major Collector

Route Vaughn - Interstate Frontage
Traffic Type Frontage Road

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1961	255	112	43.9	71	27.8	63	24.7	59	23.1				
1971	553	103	18.6	89	16.1	84	15.2	80	14.5				
1981	2270	354	15.6	273	12.0	266	11.7	261	11.5				
1982	2205	300	13.6	266	12.1	257	11.7	252	11.4				
1983	2359	301	12.8	273	11.6	267	11.3	262	11.1				
1984	2261	358	15.8	266	11.7	260	11.5	256	11.3				
1985	2262	285	12.6	267	11.8	254	11.2	251	11.1				
*1986	3926	929	23.7	830	21.1	783	19.9	759	19.3				
	*Interstate traffic diverted to frontage road during construction.												
1987	2587	367	14.2	295	11.4	286	11.1	278	10.7				
1988	2599	343	13.2	298	11.5	289	11.1	284	10.9				
1989	2558	341	13.3	304	11.9	294	11.5	290	11.3				

RLL:1:si:jm:251a27

AUTOMATIC RECORDER DATA BY MONTHS

Station A-29 Year 1989

Location Frontage Road - 6.0 miles W. of Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 45.4 % Pickups 38.2 % Commercial 14.8 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1772	2338	2359	2532	2561	2720	2151	2329	2488	93.61	91.08
February	1741	2527	2402	2295	2325	2532	2217	2291	2416	94.83	89.50
March	2197	2691	2575	2542	2518	2815	2539	2561	2628	97.45	100.16
April	2302	2807	2840	2856	2898	3179	2613	2763	2916	94.75	108.06
May	2485	2808	2914	3005	2861	3307	2833	2890	2970	97.31	113.02
June	2577	2765	2726	2779	2883	3105	2688	2803	2864	97.87	109.62
July	2203	2452	2548	2559	2540	2627	2302	2448	2541	96.34	95.74
August	2248	2664	2525	2650	2620	2818	2343	2557	2648	96.56	100.00
September	2179	2665	2828	2869	2829	3096	2435	2704	2869	94.25	105.75
October	1824	2584	2562	2606	2650	2822	2203	2451	2638	92.91	95.86
November	2117	2579	2621	2663	2562	2847	2521	2562	2651	96.64	100.20
December	1857	2162	2494	2442	2356	2672	2350	2329	2437	95.57	91.08
Daily Average for Year	2125	2587	2616	2650	2634	2878	2433	2557	2672	95.70	

RLL:1:si:jm:251:h28

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-29
Functional Class Major Collector

Route Billings - Interstate Frontage
Traffic Type Frontage Road

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1962	1268	194	15.3	183	14.4	171	13.5	162	12.8				
1971	1702	228	13.4	182	10.7	175	10.3	172	10.1				
1981	2305	287	12.5	271	11.8	260	11.3	257	11.1				
1982	2398	303	12.6	279	11.6	274	11.4	270	11.3				
1983	2907	564	19.4	438	15.1	418	14.4	403	13.9				
1984	2563	377	14.7	330	12.9	314	12.3	310	12.1				
1985	2808	356	12.7	339	12.1	330	11.8	326	11.6				
1986	2726	398	14.6	324	11.9	316	11.6	313	11.5				
1987	2557	311	12.2	291	11.4	282	11.0	274	10.7				
1988	2770	482	17.4	324	11.7	315	11.4	310	11.2				
1989	2557	317	12.4	300	11.7	290	11.3	287	11.2				

RLL:1:si:jm:251a28

AUTOMATIC RECORDER DATA BY MONTHS

Station A-30 Year 1989

Location I-90 - 1.0 miles W. of Superior Interchange M.P. 47.2

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 49.6 % Pickups 18.2 % Commercial 23.2 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2179	2313	2334	2432	2500	2614	2267	2367	2428	97.49	55.11
February	2271	2237	2370	2084	2244	2462	2167	2262	2279	99.25	52.67
March	3180	3130	2990	2945	3131	3651	3128	3172	3179	99.78	73.85
April	3876	3279	3461	3486	3739	4074	3664	3662	3608	101.50	85.26
May	4522	4523	4154	4160	4571	5412	4411	4511	4527	99.65	105.03
June	6007	5583	5523	5646	5907	6842	5803	5933	5943	99.83	138.14
July	6898	6186	6278	6323	6669	7213	7262	6698	6517	102.78	155.95
August	7052	6416	6064	6180	6578	7415	6977	6635	6503	102.03	154.48
September	5533	5503	5145	5050	5142	6292	5537	5488	5467	100.38	127.78
October	4459	4085	3983	4165	4442	5205	4139	4337	4345	99.82	100.98
November	4072	3150	3252	3728	3316	3698	3525	3534	3437	102.82	82.28
December	2555	2258	3064	3039	3179	3470	3007	2946	3024	97.42	68.59
Daily Average for Year	4384	4055	4052	4103	3940	4862	4324	4295	4271	100.56	

RLL:1:si:jm:251:h29

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-30
Functional Class Principal Arterial

Route I-90, West of Superior
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1962	1487	362	24.3	320	21.5	307	20.6	302	30.3				
1971	2346	375	16.0	334	14.2	324	13.8	320	13.6				
1981	3411	512	15.0	465	13.6	457	13.4	448	13.1				
1982	3159	525	16.6	478	15.1	457	14.5	445	14.1				
1983	3528	590	16.7	511	14.5	488	13.8	479	13.6				
1984	3715	604	16.3	527	14.2	519	14.0	505	13.6				
1985	3528	576	16.3	521	14.8	499	14.1	489	13.9				
1986	3717	596	16.0	530	14.3	516	13.9	506	13.6				
1987	3985	618	15.5	559	14.0	544	13.7	534	13.4				
1988	4108	643	15.7	588	14.3	562	13.7	547	13.3				
1989	4295	714	16.6	642	14.9	597	14.0	579	13.9				

RLL:lt:cit:jm:251a29

AUTOMATIC RECORDER DATA BY MONTHS

Station A-31 Year 1989

Location I-94 - 8.0 miles W. of Miles City, M.P. 129.2

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 52.3 % Pickups 29.5 % Commercial 15.2 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1945	1996	1924	2093	2074	2429	2272	2090	2090	100.00	69.16
February	2127	2028	2061	1867	2065	2474	2252	2125	2099	101.24	70.32
March	2715	2508	2346	2454	2542	2935	2723	2607	2568	101.52	86.27
April	2747	2389	2465	2560	2642	3152	2864	2696	2641	102.08	89.21
May	3450	2988	2765	3016	3164	3837	3524	3219	3124	103.04	106.52
June	4099	3636	3704	3966	4003	4540	4007	4012	3997	100.38	132.76
July	4096	3788	3655	3967	4022	4312	4200	4008	3941	101.70	132.63
August	4029	3623	3489	3654	3831	4322	4011	3833	3767	101.75	126.84
September	3555	3385	3082	3176	3417	3981	3628	3483	3435	101.40	115.25
October	3139	2694	2672	3038	3114	3754	3168	3059	3021	101.26	101.22
November	3142	2343	2373	2796	2584	3036	2905	2737	2632	103.99	90.57
December	2083	1884	2384	2368	2286	2806	2795	2391	2367	101.01	78.33
Daily Average for Year	3094	2772	2743	2913	2979	3465	3197	3022	3049	99.11	

RLL:1:si:jm:251:h30

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-31
Functional Class Principal Arterials

Route I-94, West of Miles City
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1963	1655	213	12.9	198	12.0	188	11.4	187	11.3				
1971	2065	302	14.6	271	13.1	260	12.6	251	12.2				
1981	2993	379	12.7	350	11.7	339	11.3	331	11.1				
1982	2952	440	14.9	373	12.6	359	12.2	345	11.7				
1983	3012	443	14.7	404	13.4	366	12.2	348	11.6				
1984	2950	721	24.4	360	12.2	345	11.7	334	11.3				
1985	2765	373	13.5	346	12.5	335	12.1	328	11.9				
1986	2541	375	14.8	339	13.3	318	12.5	312	12.3				
1987	2966	410	13.8	366	12.3	351	11.8	343	11.6				
1988	2998	421	14.0	387	12.9	352	11.7	344	11.5				
1989	3022	436	14.4	378	12.5	366	12.1	359	11.9				

RLL:1:si:jm:251a30

AUTOMATIC RECORDER DATA BY MONTHS

Station A-32 Year 1989

Location 25th St. N. between 4th & 5th Avenues - Great Falls

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2255	3456	3655	3846	3643	3707	2903	3330	3652	91.18	89.98
February	2364	3425	3754	3576	3436	3673	2901	3304	3573	92.47	89.27
March	2579	3930	3966	3778	3876	4111	3333	3679	3930	93.61	99.41
April	2681	4222	4219	4284	4237	4556	3551	3907	4303	90.80	105.57
May	2847	3962	4349	4490	4295	4535	3636	4040	4319	93.54	109.16
June	2893	4541	4541	4563	4607	4685	3626	4237	4592	92.27	114.48
July	2882	4207	4231	4609	4387	4644	3528	4018	4406	91.19	108.57
August	2883	4212	4287	4343	4384	4404	3654	4054	4328	93.67	109.54
September	2560	3718	4225	4214	4171	4461	3424	3832	4172	91.85	103.54
October	3139	2694	2672	3038	3114	3754	3168	3059	3021	101.26	82.65
November	2297	3745	3870	3936	3570	3946	3091	3511	3808	92.20	94.87
December	2555	3307	3830	3726	3672	3957	3177	3438	3711	92.64	92.89
Daily Average for Year	2661	3785	3967	4034	3949	4203	3333	3701	3985	92.87	

RLL:1:si:jm:251:h31

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-32
Functional Class Minor Arterial

Route 25th St. N. in Gt. Falls
Traffic Type City Arterial

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1963	4767	659	13.8	579	12.1	559	11.7	546	11.5				
1971	3318	512	15.4	472	14.2	439	13.2	413	12.4				
1981	3510	410	11.7	386	11.0	373	10.6	367	10.5				
1982	3579	1002	28.0	415	11.6	398	11.1	386	10.8				
1983	3706	439	11.9	423	11.4	408	11.0	404	10.9				
1984		Under Construction											
1985	3797	630	16.6	470	12.4	426	11.2	414	10.9				
1986	3854	486	12.6	428	11.1	414	10.7	407	10.6				
1987	3864	461	11.9	418	10.8	409	10.6	402	10.4				
1988	3862	461	11.9	416	10.8	408	10.6	401	10.4				
1989	3701	502	13.6	428	11.6	410	11.1	399	10.8				

RLL:1:si:jm:251a31

AUTOMATIC RECORDER DATA BY MONTHS

Station A-33 Year 1989

Location 10th Ave. S. between 9th & 10th Sts. - Great Falls

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	21729	28008	28972	30801	29457	32152	28869	28344	29572	95.27	88.29
February	22177	27484	28819	28259	28389	32047	27661	27834	28999	95.98	86.70
March	24814	31754	31514	30880	31704	36071	33125	31551	32450	97.23	98.27
April	25593	32955	32618	33231	33027	37866	34227	32596	33939	96.04	101.53
May	26386	31890	33528	34296	33668	38469	34260	33216	34223	97.06	103.46
June	27154	35323	35395	36076	36488	39769	33603	35049	36748	95.38	109.17
July	28252	36150	34229	36714	37639	40070	34374	35112	36922	95.10	109.37
August	27053	35819	35724	36437	37414	39097	34575	35292	36849	96.72	109.93
September	25462	32226	34273	34792	34673	38324	32404	33311	35022	95.11	103.76
October	24515	32570	31103	33566	34155	38246	32663	32112	33738	95.18	100.02
November	23955	32400	30930	32220	31390	37210	31700	31400	32810	95.70	97.80
December	24866	26293	30990	30197	30078	33370	30270	29444	30337	97.06	91.71
Daily Average for Year	25163	31906	32341	33122	33174	36891	32311	32105	33482	95.89	

Nov. & Dec. data are estimated. Site had a loop failure that began Oct. 27th and repaired Dec. 28th.

RLL:1:si:jm:251:h32

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-33
Functional Class Principal Arterial

Route 10th Ave. S. Gt. Falls
Traffic Type Primary - Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1965	23096	2488	10.8	2375	10.3	2296	9.9	2248	9.7				
1971	24183	2563	10.6	2383	9.9	2324	9.6	2292	9.5				
1981	28434	2731	9.6	2657	9.3	2628	9.2	2600	9.1				
1982	28781	2786	9.7	2718	9.4	2677	9.3	2658	9.2				
1983	29621	2820	9.5	2724	9.2	2704	9.1	2684	9.1				
1984	30648	4786	15.6	2872	9.4	2814	9.2	2795	9.1				
1985	30603	3067	10.0	2925	9.6	2869	9.4	2845	9.3				
1986	31290	3068	9.8	2920	9.3	2886	9.2	2863	9.1				
1987	32311	3006	9.3	2948	9.1	2920	9.0	2882	8.9				
1988	32766	3068	9.4	2986	9.1	2966	9.0	2939	8.9				
1989	32105	5075	15.8	3015	9.4	2952	9.2	2936	9.1				

RLL:ti:si:jm:251a32

AUTOMATIC RECORDER DATA BY MONTHS

Station A-34 Year 1989

Location U.S. 12 - 5.0 miles NW of Forsyth, M.P. 265

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 41.6 % Pickups 43.4 % Commercial 14.6 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	125	141	178	187	185	201	122	161	177	90.96	65.98
February	118	171	174	150	167	170	118	152	166	91.57	62.30
March	171	226	196	205	208	214	136	195	210	92.86	79.92
April	196	254	257	255	245	236	186	230	249	92.37	94.26
May	282	255	338	288	336	396	313	313	319	98.12	128.28
June	267	294	263	262	288	279	229	270	278	97.12	110.66
July	265	294	285	307	295	300	234	281	296	94.93	115.16
August	282	276	258	271	279	300	235	271	276	98.19	111.07
September	284	295	234	299	252	301	265	276	277	99.64	113.11
October	335	321	319	306	306	378	338	329	325	101.23	134.84
November	275	251	243	260	248	285	258	260	257	101.17	106.55
December	160	207	189	205	193	215	170	190	202	94.06	77.87
Daily Average for Year	230	249	245	250	250	273	217	244	253	96.44	

RLL:1:si:jm:251:h33

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-34
Functional Class Minor Arterial

Route U.S. 12, NW of Forsyth
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1965	299	63	21.1	53	17.7	50	16.7	48	16.1				
1971	263	57	21.7	47	17.9	45	17.1	42	16.0				
1981	255	59	23.1	47	18.4	45	17.6	43	16.9				
1982	245	67	27.3	55	22.4	50	20.4	47	19.2				
1983	255	76	29.8	52	20.4	46	18.0	43	16.9				
1984	241	64	26.6	45	18.7	40	16.6	39	16.2				
1985	220	87	39.5	40	18.2	38	17.3	36	16.4				
1986	265	62	23.4	52	19.6	48	18.1	46	17.4				
1987	293	55	18.8	45	15.4	42	14.3	41	13.9				
1988	270	50	18.5	42	15.6	39	14.4	39	14.4				
1989	244	79	32.4	57	23.3	47	19.3	45	18.4				

RLL:1:si:jm:251a33

AUTOMATIC RECORDER DATA BY MONTHS

Station A-35
Location FAS 210 - 3.0 miles SE of Bonner

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 52.1 % Pickups 36.1 % Commercial 11.0 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	479	604	654	670	671	697	625	624	656	95.12	88.14
February	552	645	674	634	605	654	598	623	642	97.04	87.99
March	543	712	736	741	736	764	606	696	739	94.18	98.31
April	638	765	757	768	754	906	745	757	790	95.82	106.92
May	602	707	751	769	811	892	743	752	780	96.41	106.21
June	599	671	705	708	692	840	715	708	727	97.39	100.00
July	551	677	617	688	681	744	687	661	681	97.06	93.36
August	622	766	747	769	792	844	682	748	781	95.77	105.65
September	644	733	788	782	799	870	765	772	798	97.37	109.04
October	648	764	781	775	832	877	797	777	803	96.76	109.75
November	604	778	771	775	733	855	691	745	780	95.51	105.23
December	536	570	662	666	630	738	636	634	657	96.50	89.55
Daily Average for Year	585	699	720	729	728	807	691	708	736	96.20	

RLL:1:si:jm:251:h34

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-35
Functional Class Major Collector

Route FAS 210, 3.0 Mi. SE of Bonner
Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1965	166	41	24.7	31	18.7	28	16.9	27	16.3				
1971	328	52	15.9	44	13.4	42	12.8	41	12.5				
1981	626	90	14.4	73	11.7	71	11.3	69	11.0				
1982	626	136	21.7	100	16.0	87	13.9	80	12.8				
1983	655	95	14.5	80	12.2	77	11.8	75	11.5				
1984	696	98	14.1	87	12.5	84	12.1	82	11.8				
1985	709	98	13.8	90	12.7	86	12.1	82	11.6				
1986	731	117	16.0	91	12.5	86	11.8	83	11.4				
1987	727	108	14.9	87	12.0	84	11.6	82	11.3				
1988	698	91	13.0	81	11.6	79	11.3	77	11.0				
1989	708	100	14.1	87	12.3	83	11.7	81	11.4				

RLL:1:si:jm:251a34

AUTOMATIC RECORDER DATA BY MONTHS

Station A-36 Year 1989

Location U.S. 2 - 0.5 miles W. of Browning, M.P. 221.2

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 45.4 % Pickups 41.0 % Commercial 9.0 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	979	1008	825	967	948	1158	986	977	975	100.21	58.78
February	1116	888	894	864	872	1048	942	946	913	103.61	56.92
March	1198	1090	987	922	1067	1359	1038	1096	1089	100.64	65.94
April	1441	1287	1256	1265	1293	1671	1415	1379	1354	101.85	82.97
May	1879	1890	1665	1674	1748	2333	2031	1875	1847	101.52	112.82
June	2621	2140	2125	2262	2278	2702	2400	2370	2318	102.24	142.60
July	3300	2819	2958	2783	2750	3175	3164	3002	2893	103.76	180.63
August	3186	2596	2408	2391	2522	3096	2661	2670	2581	103.45	160.65
September	2063	2118	1636	1593	1628	2209	2034	1912	1854	103.13	115.04
October	1565	1447	1344	1469	1808	1621	1808	1524	1497	101.80	91.70
November	1117	1105	980	1216	1123	1383	1159	1156	1162	99.48	69.55
December	974	858	1030	1010	978	1227	1097	1032	1031	100.10	62.09
Daily Average for Year	1787	1602	1509	1535	1585	1915	1728	1662	1626	102.21	

RLL:1:si:jm:251:h35

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-36
Functional Class Principal Arterial

Route U.S. 2, West of Browning
Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1966	904	231	25.6	193	21.3	174	19.2	168	18.6				
1971	1152	386	33.5	279	24.2	236	20.5	220	19.1				
1981	1504	287	19.1	256	17.0	244	16.2	241	16.0				
1982	1480	362	24.5	275	18.6	262	17.7	247	16.7				
1983	1597	294	18.4	264	16.5	252	15.8	243	15.2				
1984	1525	341	22.4	257	16.9	246	16.1	239	15.7				
1985	1488	287	19.3	257	17.3	245	16.5	238	16.0				
1986	1500	378	25.2	278	18.5	256	17.1	241	16.1				
1987	1701	512	30.1	410	24.1	374	22.0	333	19.6				
1988	1794	558	31.1	418	23.3	373	20.8	343	19.1				
1989	1662	383	23.0	312	18.8	295	17.7	282	16.9				

RLL:1:si:jm:251a35

AUTOMATIC RECORDER DATA BY MONTHS

Station A-37 Year 1989

Location Orange Street Bridge - Missoula

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	8596	14140	16147	16197	16411	17505	12059	14294	15995	89.37	90.71
February	8970	15235	15905	15071	14904	16395	11732	14030	15502	90.50	89.03
March	9320	16864	16983	16589	16585	18210	12579	15481	17057	90.76	98.24
April	10236	17605	17257	17435	17702	19576	13933	15972	17915	89.15	101.36
May	10424	16501	17906	18233	18258	20122	13867	16577	18118	91.49	105.20
June	10950	18078	17782	18005	18282	20217	14007	16926	18543	91.28	107.41
July	10691	17360	15702	18062	18151	19881	13842	16021	17809	89.96	101.67
August	10884	18444	18171	17849	18667	19921	14196	17007	18561	91.63	107.93
September	10329	16086	18207	18054	18009	19809	13844	16367	18117	90.34	103.86
October	10027	17128	17634	17594	17761	19879	14327	16199	17943	90.28	102.80
November	9837	17414	16883	17558	15383	18021	13605	15591	16999	91.72	98.94
December	9070	13603	16126	16470	16649	18503	12859	14631	16376	89.34	92.85
Daily Average for Year	9945	16538	17059	17260	17230	19003	13404	15758	17411	90.51	

RLL:1:si:jm:251:h36

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-37
Functional Class Principal Arterial

Route Orange St. Bridge - Missoula
Traffic Type Urban & City Street

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1966	11701	1418	12.1	1347	11.5	1318	11.3	1296	11.1				
1971	13679	1747	12.8	1678	12.3	1605	11.7	1570	11.5				
1981	15789	1814	11.5	1723	10.9	1700	10.8	1685	10.7				
1982	15626	2145	13.7	1951	12.5	1860	11.9	1823	11.7				
1983	16553	1918	11.6	1865	11.3	1829	11.1	1805	10.9				
1984	16664	2004	12.0	1857	11.1	1813	10.9	1779	10.7				
1985	16524	2434	14.7	1902	11.5	1838	11.1	1793	10.9				
1986	16838	1956	11.6	1847	11.0	1816	10.8	1800	10.7				
1987	16525	2096	12.7	1811	11.0	1769	10.7	1742	10.5				
1988	15685	1700	10.8	1644	10.5	1609	10.3	1592	10.1				
1989	15758	1731	11.0	1657	10.5	1638	10.4	1621	10.3				

RLL:1:si:jm:251a36

AUTOMATIC RECORDER DATA BY MONTHS

Station A-38 Year 1989

Location Mont. 200 - 1.0 miles W. of Jordon, M.P. 211

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 25.5 % Pickups 53.0 % Commercial 20.6 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	237	256	239	268	294	305	218	258	270	95.56	61.87
February	230	239	267	238	232	262	205	239	248	96.37	57.31
March	309	352	287	293	326	361	242	312	324	96.30	74.82
April	360	358	356	364	340	406	334	359	365	98.36	86.09
May	436	438	379	395	405	515	371	418	423	98.82	100.24
June	563	528	516	517	562	639	528	554	557	99.46	132.85
July	507	506	427	527	518	549	477	501	505	98.81	120.14
August	564	599	615	589	622	654	542	599	615	97.40	143.65
September	507	528	520	509	573	597	482	531	548	96.90	127.34
October	553	523	459	493	536	658	647	549	530	103.58	131.65
November	444	371	392	429	385	428	386	405	402	100.75	97.12
December	261	267	291	265	257	289	297	276	274	100.73	66.19
Daily Average for Year	414	414	396	407	421	472	394	417	422	98.82	

RLL:1:si:jm:251:h37

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-38
Functional Class Principal Arterial

Route Mont. 200, West of Jordan
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1967	330	76	23.0	61	18.5	59	17.9	55	16.7				
1971	331	73	22.1	59	17.8	56	16.9	54	16.3				
1981	376	80	21.3	63	16.8	59	15.7	57	15.2				
1982	327	66	20.2	56	17.1	53	16.2	52	15.9				
1983	358	70	19.6	60	16.8	56	15.6	54	15.1				
1984	368	69	18.8	60	16.3	56	15.2	55	14.9				
1985	344	71	20.6	57	16.6	55	16.0	53	15.4				
1986	360	80	25.0	60	16.7	58	16.1	55	15.3				
1987	362	81	22.4	61	16.9	55	15.2	53	14.6				
1988	376	76	20.2	66	17.6	57	15.2	56	14.9				
1989	417	123	29.5	74	17.7	68	16.3	65	15.6				

RLL:1:si:jm:251a37

AUTOMATIC RECORDER DATA BY MONTHS

Station A-39 Year 1989

Location U.S. 89 - 0.5 miles N. of Dupuyer, M.P. 75.9

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 42.3 % Pickups 39.5 % Commercial 5.9 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	231	211	215	218	246	268	225	229	230	99.57	52.40
February	216	206	209	195	206	242	237	216	212	101.89	49.43
March	269	289	274	247	256	292	299	274	271	101.11	62.70
April	313	330	333	338	311	390	351	337	340	99.12	77.12
May	400	400	406	402	422	476	494	426	419	101.67	97.48
June	734	640	653	645	625	698	720	673	653	103.06	154.00
July	1031	634	635	631	666	769	804	747	665	112.33	170.94
August	903	660	654	740	684	830	855	754	711	106.05	172.54
September	614	544	551	611	633	657	647	611	602	101.50	139.82
October	440	417	377	416	435	507	463	434	427	101.64	99.31
November	293	291	289	307	285	352	371	312	304	102.63	71.40
December	212	208	248	236	217	280	238	235	240	97.92	53.78
Daily Average for Year	472	403	404	416	416	480	475	437	423	103.31	

RLL:1:si:jm:251:h38

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-39
Functional Class Minor Arterial

Route U.S. 89, North of Dupuyer
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1967	443	211	47.6	126	28.4	113	25.5	108	24.4				
1971	507	146	28.8	132	26.0	126	24.9	122	24.1				
1981	527	130	24.7	116	22.0	108	20.5	106	20.1				
1982	517	220	42.6	132	25.5	112	21.7	106	20.5				
1983	537	123	22.9	117	21.8	111	20.7	107	19.9				
1984	511	124	24.3	108	21.1	105	20.6	102	20.0				
1985	471	110	23.4	100	21.2	97	20.6	95	20.2				
1986	517	123	23.8	106	20.5	101	19.5	99	19.2				
1987	484	126	26.0	106	21.9	101	20.9	98	20.2				
1988	461	118	25.6	109	23.6	105	22.8	101	21.9				
1989	437	140	32.0	110	25.1	103	23.6	99	22.7				

RLL:1:si:jm:251a38

AUTOMATIC RECORDER DATA BY MONTHS

Station A-40 Year 1989

Location Frontage Road - 2.5 miles N. of Wolf Creek

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	106	77	53	60	64	62	130	79	63	125.40	29.26
February	129	67	67	69	68	76	105	83	69	120.29	30.74
March	190	102	104	90	93	113	172	121	100	121.00	44.81
April	295	136	134	145	124	159	263	186	140	132.86	68.89
May	437	227	207	223	213	314	462	290	234	123.93	107.41
June	657	333	333	358	371	445	540	432	372	116.13	160.00
July	833	505	534	491	508	553	686	596	518	115.06	220.74
August	759	427	411	407	398	461	627	489	419	116.71	181.11
September	527	446	320	299	333	372	547	410	355	115.49	151.85
October	344	217	194	180	230	239	312	246	211	116.59	91.11
November	219	205	197	146	128	213	214	185	174	106.32	68.52
December	137	114	103	100	83	91	216	123	98	125.51	45.56
Daily Average for Year	386	238	212	214	218	258	356	270	229	117.90	

RLL:1:si:jm:251:h39

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-40
Functional Class Major Collector

Route Wolf Creek Frontage Road
Frontage Road -
Traffic Type Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1968	110	55	50.0	42	38.2	39	35.5	36	32.7				
1971	137	55	40.1	41	29.9	39	28.5	36	26.3				
1981	188	85	45.2	63	33.5	57	30.3	55	29.3				
1982	190	85	44.7	67	35.3	64	33.7	61	32.1				
1983	209	89	42.6	71	34.0	65	31.1	63	30.1				
1984	223	112	50.2	75	33.6	69	30.9	67	30.0				
1985	213	94	44.1	78	36.6	71	33.3	67	31.5				
1986	217	86	39.6	79	36.4	74	34.1	70	32.3				
1987	232	98	42.2	78	33.6	72	31.0	67	28.9				
1988	244	102	41.8	83	34.0	78	32.0	75	30.7				
1989	270	149	55.2	95	35.2	84	31.1	77	28.5				

RLL:1:si:jm:251a39

AUTOMATIC RECORDER DATA BY MONTHS

Station A-41 Year 1989

Location I-90 - 2.5 miles W. of Big Timber M.P. 363.5

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 47.6 % Pickups 27.6 % Commercial 18.1 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3724	3449	3162	3365	3498	4021	3795	3561	3481	102.30	59.71
February	4478	3877	3409	3005	3388	4523	4326	3858	3640	105.99	64.69
March	5448	4320	4033	4467	4779	5731	5508	4907	4708	104.23	82.28
April	5822	4212	4602	4906	4967	5923	5700	5202	4922	105.69	87.22
May	6583	5737	5416	5713	6043	7575	6637	6183	6035	102.45	103.67
June	8816	6919	7075	7684	7948	9074	8361	8018	7810	102.66	134.44
July	8986	7487	7639	7989	7979	9112	9095	8345	8015	104.12	139.92
August	9139	7185	7415	7552	7937	9297	8870	8145	7846	103.81	136.57
September	7959	7119	6516	6695	6953	8236	8016	7408	7158	103.49	124.21
October	6737	5331	5262	6280	6449	7755	6689	6301	6132	102.76	105.65
November	6434	4186	4720	5738	5223	6072	6149	5502	5214	105.52	92.25
December	3697	3122	4407	4086	3940	4720	4771	4134	4087	101.15	69.32
Daily Average for Year	6485	5245	5305	5623	5759	6837	6493	5964	5754	103.65	

RLL:1:si:jm:251:h40

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-41
Functional Class Principal Arterial

Route I-90, East of Livingston
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1969	2511	418	16.6	375	14.9	359	14.3	348	13.9				
1971	3030	562	18.5	437	14.4	407	13.4	397	13.1				
1981	4490	689	15.3	589	13.1	559	12.4	547	12.2				
1982	4442	716	16.1	614	13.8	589	13.3	574	12.9				
1983	4622	799	17.3	655	14.2	600	13.0	583	12.6				
1984	4755	742	15.6	652	13.7	622	13.1	599	12.6				
1985	4767	747	15.7	648	13.6	616	12.9	596	12.5				
1986	4911	826	16.8	714	14.5	668	13.6	648	13.2				
1987	5384	866	16.1	748	13.9	702	13.0	686	12.7				
1988	5559	942	16.9	760	13.7	729	13.1	705	12.7				
1989	5964	891	14.9	806	13.5	772	12.9	757	12.7				

RLL:1:si:jm:251a40

AUTOMATIC RECORDER DATA BY MONTHS

Station A-42 Year 1989

Location 26th St. N. between 4th & 5th Aves. - Great Falls

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1798	2602	2767	2889	2733	2835	2305	2544	2758	92.24	89.33
February	1896	2640	2814	2668	2659	2739	2297	2530	2704	93.57	88.83
March	2024	2969	2928	2848	2968	3082	2649	2799	2960	94.56	98.28
April	2145	3212	3182	3242	3210	3382	2743	2978	3246	91.74	104.56
May	2255	2997	3305	3371	3345	3530	2757	3094	3298	93.81	108.64
June	2346	3413	3418	3353	3432	3529	2784	3202	3434	93.24	112.43
July	2181	3079	3116	3409	3274	3254	2643	2959	3219	91.92	103.90
August	2241	3174	3213	3266	3268	3243	2681	3035	3235	93.82	106.57
September	1957	2768	3024	3039	2871	3369	2653	2825	3031	93.20	99.19
October	1979	3037	3007	3067	3077	3198	2577	2832	3072	92.19	99.44
November	1821	2817	2945	2977	2698	2979	2446	2680	2879	93.09	94.10
December	2061	2539	2944	2908	2832	3067	2619	2698	2868	94.07	94.73
Daily Average for Year	2059	2937	3055	3086	3031	3267	2596	2848	3059	93.10	

RLL:1:si:jm:251:h41

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-42
Functional Class Minor Arterial

Route 26th St. N. in Gt. Falls
Traffic Type City Arterial

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1972	2424	433	17.9	299	12.3	282	11.6	276	11.4				
1981	2852	392	13.7	325	11.4	315	11.0	310	10.9				
1982	2860	872	30.5	338	11.8	329	11.5	322	11.3				
1983	3059	402	13.1	366	12.0	354	11.6	348	11.4				
1984	3173	431	13.6	385	12.1	374	11.8	362	11.4				
1985	3130	522	16.7	407	13.0	394	12.6	385	12.8				
1986	3135	469	15.0	375	12.0	365	11.6	359	11.5				
1987	3087	393	12.7	365	11.8	351	11.4	346	11.2				
1988	3013	426	14.1	373	12.4	352	11.7	344	11.4				
1989	2848	410	14.4	369	12.9	350	12.3	341	12.0				

RLL:1:si:jm:251a41

AUTOMATIC RECORDER DATA BY MONTHS

Station A-43 Year 1989

Location U.S. 191 - 1.5 miles N. of Mont. 64 (Big Sky), M.P. 49.8

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 40.9 % Pickups 39.4 % Commercial 15.3 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1592	1395	1320	1379	1471	1605	1776	1499	1427	105.05	71.45
February	1784	1492	1350	1219	1295	1547	1756	1492	1380	108.12	71.12
March	2260	1752	1670	1811	1762	2089	2393	1955	1826	107.06	93.18
April	1655	1366	1388	1416	1440	1595	1824	1540	1441	106.87	73.40
May	1825	1661	1592	1712	1694	1917	1874	1744	1707	102.17	83.13
June	2688	2544	2422	2581	2553	2863	2502	2601	2603	99.92	123.98
July	3296	3034	2970	3125	3029	3313	3294	3157	3091	102.13	150.48
August	3198	3043	2983	3042	3109	3500	3325	3159	3123	101.15	150.57
September	2479	2518	2291	2358	2394	2817	2648	2516	2492	100.96	119.92
October	1709	1826	1723	1853	1983	2202	1805	1860	1904	97.69	88.66
November	1762	1615	1684	1837	1701	2028	2024	1805	1773	101.80	86.03
December	1681	1369	1792	1779	1880	2316	1993	1846	1850	99.78	87.99
Daily Average for Year	2161	1968	1932	2009	2026	2316	2268	2098	2051	102.29	

RLL:1:si:jm:251:h42

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station ~~A-43~~

Functional Class Principal Arterial

Route U.S. 191, 1.5 Mi. No. of Mont. 64 (Big Sky)

Traffic Type ~~Primary - Rural~~

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1972	1240	220	17.7	201	16.2	192	15.5	188	15.2				
1981	1483	259	17.5	231	15.6	219	14.8	215	14.5				
1982	1492	302	20.2	246	16.5	235	15.8	227	15.2				
1983	1677	277	16.5	247	14.7	238	14.2	235	14.0				
1984	1692	345	20.4	275	16.3	253	15.0	246	14.5				
1985	1780	321	18.0	268	15.1	258	14.5	250	14.0				
1986	1772	305	17.2	267	15.1	256	14.5	248	14.0				
1987	1900	319	16.8	267	14.1	264	13.9	257	13.5				
1988	1997	299	15.0	274	13.7	267	13.4	262	13.1				
1989	2098	450	21.4	314	15.0	296	14.1	287	13.7				

RLL:1:si:jm:251a42

AUTOMATIC RECORDER DATA BY MONTHS

Station A-44 Year 1989

Location Big Mountain Road

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2515	1773	1319	1644	1924	2573	3274	2119	1819	116.49	175.97
February	2729	1731	1636	1607	1811	2277	3178	2138	1812	117.99	177.55
March	2881	1855	1825	1760	2036	2531	3538	2323	2015	115.29	192.91
April	1058	638	546	548	517	679	1251	775	585	132.48	64.36
May	391	375	365	384	367	444	435	392	385	101.82	32.55
June	561	561	567	708	657	686	473	606	639	94.84	50.33
July	941	946	1110	1070	1020	1008	1063	1019	1027	99.22	84.62
August	1090	1011	1103	1083	1103	1253	1308	1132	1109	102.07	94.01
September	835	713	610	676	688	803	750	728	703	103.56	52.15
October	373	541	568	521	518	569	363	493	544	90.63	40.94
November	387	609	664	647	589	732	488	590	645	91.47	49.00
December	2601	1428	1685	1949	2089	2169	2747	2135	1879	113.62	177.30
Daily Average for Year	1364	1015	1000	1050	1110	1310	1572	1204	1097	109.75	

RLL:1:si:jm:251:h43

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-44
Functional Class Major Collector

Route Big Mountain Ski Road
Traffic Type Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1974	575	478	83.1	371	64.5	282	49.0	254	44.1				
1981	673	575	85.4	400	59.4	321	47.7	282	41.9				
1982			Out of Service										
1983	1037	681	65.7	552	53.2	482	46.5	424	40.9				
1984	1082	764	70.6	666	61.6	565	52.2	502	46.4				
1985			Removed										
1986	947	840	88.7	587	62.0	550	58.1	520	54.9				
1987	927	605	65.3	495	53.4	467	50.4	445	48.0				
1988	1064	583	54.8	524	49.2	463	43.5	432	40.6				
1989	1204	737	61.2	530	44.0	493	40.9	441	36.6				

RLL:1:si:jm:251a43

AUTOMATIC RECORDER DATA BY MONTHS

Station A-45
Location Hungry Horse Dam Road

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	93	46	30	40	39	36	75	52	38	136.84	15.57
February	177	36	46	36	48	63	95	71	46	154.35	21.25
March	228	68	54	36	63	84	131	91	61	149.18	27.25
April	374	95	92	91	110	126	224	168	103	163.11	50.30
May	603	291	205	222	216	259	464	315	239	131.80	94.31
June	966	564	605	554	524	531	671	624	553	112.84	186.83
July	1362	1008	1101	879	935	921	1147	1062	971	109.37	317.96
August	1110	719	781	695	651	835	956	810	733	110.50	242.51
September	523	375	272	273	284	326	390	350	307	114.01	104.79
October	433	198	215	200	208	211	402	268	207	129.47	80.24
November	204	90	92	93	99	123	209	128	99	129.29	29.64
December	113	48	89	62	52	66	71	73	63	115.87	21.86
Daily Average for Year	516	295	299	274	269	298	403	334	285	117.19	

RLL:1:si:jm:251:h44

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-45
Functional Class Minor Collector

Route Hungry Horse Dam Road
Traffic Type Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1976	434	210	48.4	148	33.4	138	31.8	131	30.2				
1981	333	167	50.2	132	39.6	121	36.3	112	33.6				
1982	295	165	55.9	134	45.4	124	42.0	116	39.3				
1983	295	169	57.3	135	45.8	123	41.7	115	39.0				
1984	272	146	53.7	124	45.6	112	41.2	107	39.3				
1985	273	147	53.8	120	43.9	111	40.7	109	39.9				
1986	252	139	55.2	121	48.0	115	45.6	108	42.9				
1987	269	148	55.0	128	47.6	117	43.5	110	40.9				
1988	284	148	52.1	129	45.4	108	38.0	100	35.2				
1989	334	186	55.7	155	46.4	145	43.4	137	41.0				

RLL:1:si:jm:251a44

AUTOMATIC RECORDER DATA BY MONTHS

Station A-46 Year 1989

Location U.S. 2 - 9.0 miles W. of Havre, M.P. 372.9

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 46.3 % Pickups 43.3 % Commercial 7.5 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	736	938	948	999	1055	1111	866	943	1004	93.92	69.75
February	845	940	902	911	1055	1199	1069	989	1001	98.80	73.15
March	1035	1214	1145	1161	1170	1336	1199	1184	1207	98.09	87.57
April	1132	1158	1152	1149	1200	1395	1219	1199	1210	99.09	88.68
May	1257	1261	1311	1376	1300	1476	1373	1334	1341	99.48	98.67
June	1593	1700	1582	1700	1758	1903	1723	1717	1738	98.79	127.00
July	2054	2055	2202	2143	2049	2196	2064	2104	2125	99.01	155.62
August	1857	1887	1885	1857	1871	1939	1869	1880	1885	99.73	139.05
September	1343	1474	1491	1463	1507	1683	1502	1501	1531	98.04	111.02
October	1204	1349	1318	1362	1403	1548	1291	1347	1390	96.91	99.63
November	956	1071	1128	1189	1171	1348	1105	1141	1181	96.61	84.39
December	693	858	1014	916	810	1073	866	889	941	94.47	65.75
Daily Average for Year	1225	1325	1339	1352	1362	1517	1346	1352	1380	97.97	

RLL:1:si:jm:251:h45

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-46
Functional Class Principal Arterial

Route U.S. 2, West of Havre
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	1318	233	17.7	197	14.9	178	13.5	173	13.1				
1981	1427	236	16.5	201	14.1	189	13.2	182	12.8				
1982	1346	252	18.7	194	14.4	187	13.9	183	13.6				
1983	1382	222	16.1	200	14.5	194	14.0	189	13.7				
1984	1326	191	14.4	171	12.9	165	12.4	160	12.1				
1985	1252	201	16.1	177	14.1	167	13.3	164	13.1				
1986	1293	198	15.3	183	14.2	175	13.5	172	13.3				
1987	1329	194	14.6	182	13.7	174	13.1	170	12.8				
1988	1364	232	17.0	190	13.9	181	13.3	177	13.0				
1989	1352	278	20.6	191	14.1	186	13.8	183	13.5				

RLL:1:si:jm:251a45

AUTOMATIC RECORDER DATA BY MONTHS

Station A-47 Year 1989

Location U.S. 93 - 1.0 miles S. of Florence, M.P. 73.7

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 56.0 % Pickups 33.6 % Commercial 7.8 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3312	4070	4453	4685	4770	5101	4422	4358	4584	95.07	79.28
February	3610	4433	4543	4131	4261	4542	4213	4247	4382	96.92	77.26
March	4317	5062	5236	4891	4864	5406	5277	5012	5087	98.53	91.18
April	4873	5301	5611	5719	5848	6336	5809	5622	5763	97.55	102.27
May	5175	5591	5810	5767	5917	6547	6047	5825	5900	98.73	105.97
June	5574	6045	6243	6249	6308	7047	6266	6276	6405	97.99	114.17
July	5653	6336	6352	6469	6495	6945	6369	6350	6511	97.53	115.52
August	5590	6324	6354	6458	6704	7128	6403	6431	6582	97.71	116.99
September	5260	5777	6120	5890	5951	6906	6325	6072	6166	98.48	110.46
October	4852	5509	5674	5801	6078	6429	5826	5700	5870	97.10	103.69
November	4337	5221	5434	5572	5344	6029	5341	5334	5514	96.74	97.03
December	3536	4191	5133	4938	5093	5527	4833	4739	5002	94.74	86.21
Daily Average for Year	4674	5322	5580	5547	5636	6162	5594	5497	5647	97.34	

RLL:1:si:jm:251:h46

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-47

Functional Class Principal Arterial

Route U.S. 93, S. of Florence

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	4436	511	11.5	488	11.0	475	10.7	465	10.5				
1981	4491	558	12.4	489	10.9	481	10.7	471	10.5				
1982	4357	516	11.8	474	10.9	468	10.7	460	10.5				
1983	4838	587	12.1	545	11.3	529	10.9	521	10.6				
1984	5000	575	11.5	537	10.7	524	10.5	515	10.8				
1985	5039	574	11.4	543	10.8	526	10.4	519	10.3				
1986	5047	625	12.4	543	10.8	533	10.6	526	10.4				
1987	5272	593	11.2	556	10.5	548	10.4	541	10.3				
1988	5467	670	12.3	585	10.7	570	10.4	559	10.2				
1989	5497	669	12.2	599	10.9	579	10.5	562	10.2				

RLL:1:si:jm:251a46

AUTOMATIC RECORDER DATA BY MONTHS

Station A-48 Year 1989

Location U.S. 287 - 15.0 miles W. of Jct. U.S. 191 (Hebgen Dam) M.P. 6.9

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 40.7 % Pickups 49.6 % Commercial 3.9 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	27	18	25	26	29	42	53	30	27	111.11	07.71
February	93	68	49	52	50	78	85	68	59	115.25	17.48
March	86	40	32	32	33	37	67	45	35	128.57	11.57
April	98	46	57	62	53	69	114	74	57	129.82	19.02
May	531	263	234	263	246	343	480	329	268	122.76	84.58
June	902	775	757	771	719	848	830	799	775	103.10	205.40
July	1372	1224	1230	1204	1193	1197	1307	1252	1210	103.47	321.85
August	1173	935	986	1005	980	1087	1059	1028	997	103.11	264.27
September	808	625	552	550	565	643	755	646	590	109.49	166.07
October	314	188	203	215	249	290	324	253	324	78.09	65.03
November	156	74	98	94	95	134	155	114	99	115.15	29.31
December	31	27	33	35	36	40	42	35	35	100.00	09.00
Daily Average for Year	466	357	355	359	354	401	439	389	373	104.29	

RLL:1:si:jm:251:h47

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-48
Functional Class Minor Arterial

Route U.S. 287, E. of Hebgen Dam
Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	312	128	41.0	113	36.2	103	33.0	102	32.7				
1981	373	155	41.6	134	35.9	125	33.5	121	32.4				
1982	373	159	42.6	146	39.1	139	37.3	133	35.7				
1983	382	175	45.8	138	36.1	131	34.3	128	33.5				
1984	373	156	41.8	136	36.5	130	34.9	128	34.3				
1985	366	147	40.2	133	36.3	123	33.6	120	32.8				
1986	371	163	43.9	136	36.7	126	34.0	121	32.6				
1987	375	226	60.3	122	32.5	118	31.5	116	30.9				
1988	365	158	43.3	136	37.3	123	33.7	119	32.6				
1989	389	164	42.2	136	35.0	127	32.6	123	31.6				

RLL:1:si:jm:251a47

AUTOMATIC RECORDER DATA BY MONTHS

Station A-49
Location Mont. 39 - 0.5 miles S. of I-94, M.P. 50.7

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 44.7 % Pickups 35.8 % Commercial 18.0 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	425	684	752	796	884	962	695	731	807	90.58	76.30
February	432	792	795	686	753	829	687	710	771	92.09	74.11
March	569	912	853	844	885	928	797	833	885	94.12	86.95
April	732	1066	1093	1085	1145	1244	1034	1045	1127	92.72	109.08
May	811	1142	1256	1235	1288	1372	1093	1175	1252	93.85	122.65
June	777	1099	1110	1103	1193	1276	982	1088	1163	93.55	113.57
July	701	1037	931	1044	1107	1132	807	954	1049	90.94	99.58
August	794	1181	1153	1083	1243	1206	825	1078	1172	91.98	112.53
September	646	973	1087	1054	1170	1179	912	1006	1097	91.70	105.01
October	626	1085	1066	1074	1204	1314	882	1025	1142	89.75	106.99
November	656	1047	1076	1077	1022	1181	894	997	1078	92.49	104.07
December	472	816	982	894	900	1051	884	852	934	91.22	88.94
Daily Average for Year	637	986	1013	998	1066	1140	874	958	1040	92.12	

RLL:1:si:jm:251:h48

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-49
Functional Class Minor Arterial

Route Mont. 39, Just of S. of I-90
Traffic Type ~~Primary - Rural~~

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	1186	303	25.5	256	21.6	237	20.0	216	18.2				
1981	1394	457	32.8	347	24.9	291	20.9	256	18.4				
1982	1752	495	28.3	448	25.6	410	23.4	371	21.2				
1983	1705	404	23.7	390	22.9	368	21.6	344	20.2				
1984	1166	263	22.6	237	20.3	214	18.4	200	17.2				
1985	941	177	18.8	152	16.2	141	15.0	134	14.2				
1986	881	174	19.8	138	15.7	133	15.1	128	14.5				
1987	904	150	16.6	136	15.0	127	14.0	122	13.5				
1988	915	163	17.8	144	15.7	139	15.2	129	14.1				
1989	958	208	21.7	161	16.8	151	15.8	148	15.4				

RLL:1:si:jm:251a48

AUTOMATIC RECORDER DATA BY MONTHS

Station A-50
Location Main St. between Milton Rd. & Hansen Lane - Billings

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	17204	23846	25813	26392	26592	28408	24817	24488	26084	93.88	88.33
February	18636	26194	26152	24871	25569	28806	26334	25223	26318	95.84	90.98
March	20141	28424	26866	26475	26308	29943	27293	26597	27600	96.37	95.94
April	21754	30002	29746	29349	29770	33754	30321	29029	30524	95.10	104.71
May	22017	29043	30465	30554	30528	34345	29440	29536	30861	95.71	106.54
June	23092	32002	31333	31781	32450	35244	30205	31071	32679	95.08	112.08
July	21965	30902	29047	31807	31840	34176	28939	29565	31523	93.79	106.64
August	23114	31482	31509	31678	31595	34679	29071	30558	32111	95.16	110.23
September	22227	27352	29589	29280	30649	35848	29041	29361	30796	95.34	105.91
October	19692	28006	27970	28199	28557	32358	27142	27205	28924	94.06	98.13
November	19134	26319	26925	27715	25094	30497	26451	26045	27228	95.66	93.95
December	17996	22285	25915	24653	23963	28148	25183	23997	25143	95.44	86.56
Daily Average for Year	20581	27988	28444	28563	28576	32184	27853	27723	29149	95.11	

RLL:1:si:jm:251:h49

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station ~~A-50~~

Functional Class Principal Arterial

Route Main Street - Billings

Traffic Type Primary - Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	25085	2468	9.8	2400	9.6	2359	9.4	2333	9.3				
1982	25471	2635	10.3	2547	10.0	2498	9.8	2469	9.7				
1983	26795	2880	10.8	2747	10.3	2701	10.1	2638	9.9				
1984	27925	2889	10.4	2772	9.9	2732	9.8	2682	9.6				
1985	27711	3124	11.3	3003	10.8	2905	10.5	2866	10.3				
1986	28780	3051	10.6	2982	10.4	2932	10.2	2901	10.1				
1987	28262	3034	10.7	2802	9.9	2744	9.7	2729	9.6				
1988	28749	3255	11.3	2894	10.1	2841	9.9	2797	9.7				
1989	27723	3445	12.4	2934	10.6	2844	10.3	2815	10.2				

RLL:1:si:jm:251a49

AUTOMATIC RECORDER DATA BY MONTHS

Station A-51 Year 1989

Location Broadwater between 22nd St. & Gay Place - Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	9371	11885	12824	13306	13322	13891	12727	12367	12983	95.26	90.32
February	9923	12765	13653	12681	12434	13883	13315	12665	13083	96.81	92.50
March	10716	13612	13138	13214	12998	15108	14100	13318	13635	97.68	97.27
April	11007	14066	14521	14269	14605	16264	14745	14122	14745	95.77	103.14
May	10891	14297	15100	15471	15169	16647	14543	14624	15287	95.66	106.81
June	11270	15204	14816	15137	15323	16807	14842	14857	15513	95.77	108.51
July	10759	14440	13343	14829	15033	16129	13394	13881	14740	94.17	101.38
August	10493	14417	14536	14232	14421	15866	13551	13976	14655	95.37	102.07
September	10414	12926	14221	14357	14309	15935	13628	13757	14425	95.37	100.47
October	10327	13791	14097	14323	14603	15965	13848	13743	14500	94.78	100.37
November	10780	13396	13892	14425	12838	15986	14315	13660	14064	97.13	99.77
December	10993	11385	13891	13639	13028	15372	14729	13330	13554	98.35	97.36
Daily Average for Year	10579	13515	14003	14157	13999	15654	13978	13692	14265	95.98	

RLL:1:si:jm:251:h50

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-51
Functional Class Minor Arterial

Route Broadwater Ave. - Billings
Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	13058	1562	12.0	1415	10.8	1363	10.4	1320	10.1				
1982	13252	1504	11.3	1423	10.7	1397	10.5	1383	10.4				
1983	13579	1490	11.0	1443	10.6	1421	10.5	1402	10.3				
1984	13579	1560	11.5	1447	10.7	1404	10.3	1393	10.3				
1985	14339	1575	11.0	1500	10.5	1476	10.3	1451	10.1				
1986	14243	1540	10.8	1464	10.3	1438	10.1	1417	10.0				
1987	13850	1472	10.6	1409	10.2	1385	10.0	1366	9.9				
1988	13714	1543	11.3	1471	10.7	1412	10.3	1384	10.1				
1989	13692	1627	11.9	1473	10.8	1437	10.5	1409	10.3				

RLL:1:si:jm:251a50

AUTOMATIC RECORDER DATA BY MONTHS

Station A-52 Year 1989

Location Old Hardin Road between Peters & Piccolo - Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1794	2458	2642	2502	2579	2707	2443	2432	2575	94.45	89.68
February	1852	2483	2429	2414	2402	2618	2447	2378	2469	96.31	87.68
March	1989	2657	2527	2547	2615	2810	2607	2548	2635	96.70	93.95
April	2227	2799	2976	2900	2907	3204	3084	2856	2957	96.58	105.31
May	2332	2953	3109	3054	3143	3333	3091	3006	3108	96.72	110.84
June	2396	3304	3179	3246	3408	3561	3066	3187	3353	95.05	117.51
July	2335	3162	3028	3238	3338	3419	3055	3060	3233	94.65	112.83
August	2249	2977	3027	3049	3094	3387	2840	2957	3100	95.39	109.03
September	2139	2687	2828	2826	2878	3169	2755	2768	2891	99.18	102.06
October	1992	2748	2718	2709	2785	2990	2681	2644	2785	94.94	97.49
November	1965	2596	2616	2714	2484	2815	2518	2534	2641	95.95	93.44
December	1688	2002	2220	2253	2274	2551	2226	2171	2274	95.47	80.05
Daily Average for Year	2080	2744	2775	2788	2826	3047	2734	2712	2835	95.66	

RLL:1:si:jm:251:h51

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-52
Functional Class Major Collector

Route Old Hardin Road - Billings
Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	5945	645	10.8	621	10.4	612	10.3	603	10.1				
1982	6164	784	12.7	697	11.3	677	11.0	669	10.9				
1983	6374	768	12.1	723	11.3	709	11.1	690	10.8				
1984	6664	792	11.9	748	11.2	733	11.0	720	10.8				
1985	6754	824	12.2	782	11.6	756	11.2	748	11.1				
1986	6762	820	12.1	769	11.4	759	11.2	747	11.1				
1987	5046	823	16.3	776	15.4	749	14.8	737	14.6				
1988	2918	385	13.2	339	11.6	325	11.1	317	10.9				
1989	2712	365	13.5	319	11.8	310	11.4	305	11.2				

RLL:1:si:jm:251a51

AUTOMATIC RECORDER DATA BY MONTHS

Station A-53 Year 1989

Location U.S. 12 - 36.6 miles E. of I-94, near locate, M.P. 36.6

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 45.3 % Pickups 34.7 % Commercial 17.5 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	193	250	255	245	269	309	241	250	264	94.70	62.81
February	195	245	262	223	254	300	249	247	257	96.11	62.06
March	286	310	300	281	288	350	291	301	306	98.37	75.63
April	288	301	316	301	300	374	329	315	318	99.06	79.15
May	395	416	391	390	410	501	422	416	419	99.28	104.52
June	419	501	495	502	500	566	449	493	515	95.73	123.87
July	440	515	481	499	510	535	462	490	508	96.46	123.12
August	644	675	603	609	608	590	483	602	616	97.73	151.26
September	470	561	577	479	487	696	574	555	566	98.06	139.45
October	368	413	407	434	411	494	423	419	430	97.44	105.28
November	392	340	363	367	391	459	398	386	383	100.78	96.98
December	246	265	308	298	271	358	342	300	303	99.01	75.38
Daily Average for Year	361	399	397	386	392	461	389	398	407	97.79	

RLL:1:si:jm:251:h52

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station ~~A-53~~

Functional Class Principal Arterial

Route U.S. 12, East of Miles City

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	583	123	21.1	76	13.0	70	12.0	64	11.0				
1982	535	86	16.1	75	14.0	71	13.3	69	12.9				
1983	573	95	16.6	83	14.5	79	13.8	76	13.3				
1984	581	178	30.6	120	20.7	82	14.1	78	13.4				
1985	543	104	19.2	80	14.7	72	13.3	68	12.5				
1986	547	79	14.4	73	13.4	70	12.8	68	12.4				
1987	542	95	17.5	74	13.7	69	12.7	67	12.4				
1988	489	74	15.1	68	13.9	65	13.3	63	12.9				
1989	398	128	32.2	89	22.4	82	20.6	76	19.1				

RLL:1:si:jm:251a52

AUTOMATIC RECORDER DATA BY MONTHS

Station A-54 Year 1989

Location 19th St. W. between Wyoming & Yellowstone - Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3509	4918	5419	5620	5636	5762	5078	5084	5444	93.39	89.66
February	3597	5344	5443	5135	5111	5646	5142	5060	5336	94.83	89.24
March	3853	5760	5701	5563	5515	6141	5619	5478	5736	95.50	96.61
April	4219	6108	6410	6268	6374	6992	6015	5993	6430	93.20	105.70
May	4310	6094	6597	6716	6624	7106	6036	6237	6607	94.40	110.00
June	4282	6382	6343	6294	6572	6701	5804	6093	6474	94.11	107.46
July	3796	5609	5301	5916	5811	6268	5096	5345	5773	92.59	94.27
August	3721	5708	5713	5589	5729	6044	5017	5390	5746	93.80	95.06
September	3962	5554	6286	6113	6422	6878	5588	5856	6280	93.25	103.28
October	3921	6016	6055	5799	6050	6740	5503	5688	6123	92.90	100.32
November	4137	6024	6272	6144	5560	6835	5780	5824	6138	94.88	102.72
December	4263	5400	6574	6185	6137	7007	6429	5990	6296	95.14	105.64
Daily Average for Year	3964	5743	6009	5945	5962	6510	5592	5670	6032	94.00	

RLL:1:si:jm:251:h53

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-54
Functional Class Collector

Route 19th St. W. - Billings
Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1984	5450	875	16.1	664	12.2	651	11.9	637	11.7				
1985	5920	861	14.5	727	12.3	710	12.0	698	11.8				
1986	5846	789	13.5	718	12.3	690	11.8	674	11.5				
1987	5944	761	12.8	681	11.5	665	11.2	654	11.0				
1988	5803	710	12.2	667	11.5	653	11.3	643	11.1				
1989	5670	754	13.3	696	12.3	670	11.8	657	11.6				

RLL:1:si:jm:251a53

AUTOMATIC RECORDER DATA BY MONTHS

Station A-56 Year 1989

Location U.S. 93 - 2.5 miles N. of Hamilton, M.P. 51

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 55.9 % Pickups 33.6 % Commercial 7.9 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3650	5094	5552	5822	5883	6368	5126	5299	5705	92.88	80.08
February	3838	5542	5627	5155	5239	5687	4877	5138	5450	94.28	77.65
March	4574	6335	6311	6032	5919	6729	6021	6012	6260	96.04	90.86
April	4907	6799	6735	6946	7035	7734	6523	6605	7050	93.69	99.82
May	5338	6833	7188	7136	7130	8058	6825	6942	7241	95.87	104.91
June	5719	7691	7597	7727	7808	8595	6959	7493	7912	94.70	113.24
July	6273	8007	7508	7822	7980	8558	7496	7624	7976	95.59	115.22
August	5844	8140	8067	7984	8345	8783	7211	7803	8246	94.63	117.92
September	5564	7074	7636	7314	7426	8618	7278	7318	7661	95.52	110.59
October	4974	6955	7100	7064	7259	7811	6510	6765	7218	93.72	102.24
November	4689	6629	6629	6958	6341	7327	6117	6402	6765	94.63	96.75
December	4287	5877	6318	6380	6342	6950	5904	6008	6373	94.27	90.80
Daily Average for Year	4971	6748	6855	6908	6892	7602	6404	6617	6988	94.69	

RLL:1:si:jm:251:h54

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-56
Functional Class Principal Arterial

Route U.S. 93, N. of Hamilton
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1986	5853	733	12.5	655	11.2	630	10.8	618	10.6				
1987	6044	734	12.1	663	11.0	652	10.8	642	10.6				
1988	6370	955	15.0	708	11.1	687	10.8	674	10.6				
1989	6617	875	13.2	747	11.3	720	10.9	709	10.7				

RLL:1:si:jm:251a54

AUTOMATIC RECORDER DATA BY MONTHS

Station A-58 Year 1989

Location U.S. 212 - 1.8 miles N. of Red Lodge, M.P. 72

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 53.7 % Pickups 52.9 % Commercial 6.2 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1532	1346	1243	1316	1338	1555	1771	1436	1354	106.06	75.74
February	1578	1364	1316	1059	1089	1319	1672	1342	1229	109.19	70.78
March	2025	1517	1492	1432	1297	1662	2144	1635	1478	110.62	86.23
April	1686	1403	1434	1466	1432	1640	1722	1551	1475	105.15	81.80
May	2309	1769	1631	1698	1621	1869	2258	1862	1715	108.57	98.21
June	3026	2213	2214	2185	2261	2515	2729	2445	2288	106.86	128.96
July	3640	2919	3599	1966	2518	2835	3526	3043	2785	109.26	160.50
August	3503	2421	2397	2453	2426	2898	3425	2754	2507	109.95	145.25
September	2491	2188	1883	1782	1921	2205	2382	2133	2006	106.33	112.50
October	1720	1469	1412	1606	1567	1839	1669	1604	1566	102.43	84.60
November	1378	1255	1331	1336	1332	1602	1715	1415	1368	103.44	74.63
December	1546	1232	1519	1529	1369	1577	1820	1526	1451	105.17	80.49
Daily Average for Year	2203	1758	1789	1652	1681	1960	2236	1896	1769	107.18	

RLL:1:si:jm:251:h55

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-58
Functional Class Minor Arterial

Route U.S. 212, N. of Red Lodge
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1986	1695	376	22.2	321	18.9	295	17.4	279	16.5				
1987	1838	675	36.7	370	20.1	336	18.3	321	17.5				
1988	1880	682	36.3	467	24.8	363	19.3	340	18.1				
1989	1896	773	40.7	454	23.9	388	20.5	350	18.5				

RLL:1:si:jm:251a55

AUTOMATIC RECORDER DATA BY MONTHS

Station A-60
Location U.S. 2 - 1.5 miles N. of Columbia Falls Heights M.P. 139.6

Year 1989

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 58.9 % Pickups 25.6 % Commercial 6.8 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2263	2645	2484	2725	2696	3089	2658	2633	2713	97.05	55.14
February	2806	2747	2823	2582	2591	3099	2772	2774	2768	100.22	58.10
March	3065	3228	3022	2893	3091	3638	3118	3156	3179	99.28	66.10
April	3666	3508	3388	3432	3548	4175	3761	3644	3610	100.94	76.32
May	4841	4510	4253	4313	4385	5180	5103	4626	4506	102.66	96.88
June	7331	6422	6252	6448	6213	7211	6451	6625	6528	101.49	138.75
July	9680	9132	8780	8922	8506	9082	9432	9109	8896	102.39	190.77
August	9030	8129	7893	7688	7731	9192	8957	8316	8080	102.92	174.16
September	6297	6069	5445	5352	5389	6540	6445	5971	5796	103.02	125.05
October	4300	4150	4019	4211	4218	4839	4490	4302	4269	100.77	90.10
November	3079	3268	3171	3495	3208	3708	3260	3315	3368	98.43	69.43
December	2422	2568	2894	2702	2857	3389	2905	2828	2906	97.32	59.23
Daily Average for Year	4898	4698	4535	4564	4536	5262	4946	4775	4718	101.21	

RLL:1:si:jm:251:h56

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station ~~A-60~~

Functional Class Principal Arterial

Route U.S. 2, N. of Columbia Heights

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1982	3549	737	20.8	660	18.6	643	18.1	628	17.7				
1983	3922	765	19.5	723	18.4	693	17.7	673	17.2				
1984	3967	769	19.4	682	17.2	663	16.7	647	16.3				
1985	3969	738	18.6	689	17.4	658	16.6	644	16.2				
1986	4270	792	18.6	743	17.4	729	17.1	710	16.6				
1987	4522	826	18.3	768	17.0	741	16.4	726	16.1				
1988	4697	887	18.9	806	17.2	785	16.7	769	16.4				
1989	4775	957	20.0	865	18.1	834	17.5	824	17.3				

RLL:1:si:jm:251a56

AUTOMATIC RECORDER DATA BY MONTHS

Station A-62 Year 1989

Location U.S. 93 - 0.8 miles N. of Elmo, M.P. 78

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 56.6 % Pickups 24.1 % Commercial 12.1 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1386	1356	1231	1427	1445	1688	1585	1434	1417	101.20	65.18
February	1437	1309	1264	1226	1285	1551	1499	1367	1327	103.01	62.14
March	1706	1638	1669	1532	1605	1966	1799	1702	1684	101.07	77.36
April	2141	1778	1781	1943	1977	2405	2192	2040	1977	103.19	92.73
May	2528	2297	2015	2087	2238	2817	2608	2347	2270	103.39	106.68
June	3022	2531	2489	2604	2584	3141	2867	2756	2687	102.57	125.27
July	3762	3152	3170	3118	3364	3815	3954	3491	3315	105.31	158.68
August	3610	2927	2833	2960	3089	3523	3553	3189	3052	104.49	144.95
September	2561	2458	2218	2107	2281	2780	2628	2451	2388	102.64	111.41
October	2101	1863	1758	1955	2018	2404	2095	2016	1982	101.72	91.64
November	2007	1676	1611	1891	1812	2206	2089	1896	1840	103.04	86.18
December	1476	1460	1728	1679	1780	1981	1868	1716	1738	98.73	78.00
Daily Average for Year	2311	2037	1981	2044	2123	2523	2395	2200	2140	102.80	

RLL:1:si:jm:251:h57

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-62
Functional Class Principal Arterial

Route U.S. 93, N. of Elmo
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1986	1911	339	17.7	320	16.8	309	16.2	299	15.7				
1987	2062	381	18.5	332	16.1	322	15.6	312	15.1				
1988	2275	412	18.1	366	16.1	353	15.5	346	15.2				
1989	2200	412	18.7	348	15.8	333	15.1	324	14.7				

RLL:1:si:jm:25Ta57